

VHF-UHF DIGEST

FEBRUARY, 1976

THE CHANGE!

19 NEW VUD EDITOR AND PUBLISHERS 76



publishers' notes...

WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA

OUR COVER...

As 1976 was ushered in, so were a number of new VUD staff members. Early in January, Don Ruland contacted this writer (Clarke Ingram), who accepted his offer of the VUD editorship. I am both pleased and honored to assume this post after nearly two years of writing feature articles for the VUD and editing the DX Scoreboard column. Commencing with this issue, I will be instituting certain measures which will hopefully improve the appearance of the VHF-UHF Digest. Any comments you might have would be greatly appreciated.

In addition to my appointment as VUD editor, the new publishers of our magazine have been selected. Pete Oprisko of Whiting, Indiana will be handling all matters concerning actual printing of the VUD. Mailbox editor John Zondlo will be organizing the membership files, purchasing supplies, and seeing that the VUD is mailed out on time. Mike Hogan of East Chicago will be handling the packing, addressing, stamping and sealing of the mailing envelopes. I am sure that you join me in welcoming these new members of the VUD publishing staff!

We are all indebted to Morrie Goldman, Gary Olson, and Don Ruland for their contributions to WTFDA in past years, and thank them for their kind efforts. I trust that although these three members of WTFDA are no longer involved in the actual composition of the VUD, they will remain active in our club.

NEW COLUMN EDITORS...A few public-spirited members of WTFDA have stepped forward to assume the editorship of several vacant columns appearing in the VUD, and they have our thanks. The QSL Corners change hands as Paul Traska takes over TV and Tom Yingling the FM. These two new editors make their debut on page 26. In addition, Steve West (432 Kenmore Road, Havertown, PA 19083) has offered to assume the duties of the TV CCI Aids column, effective in March. As mentioned in last month's Publishers' Notes, Fred Nordquist is the new Northern FM DX editor. Your support of these new editors will be appreciated!

STILL NEEDED...are editors for the long-defunct FM CCI column, a proposed feature column entitled This Is Your DX, and an expanded DX Scoreboard column (details of the last can be found on page 9). If interested, contact this writer (Clarke Ingram, 5201 Colewood Drive, Pittsburgh, PA 15236) as soon as possible.

CONVENTION '76...If you haven't sent in your vote on the WTFDA convention site to Headquarters (address at top of this page), please do so immediately! Don Erickson informs us that he did not actually bid to hold the convention, so we are left with 2 possible sites: Bend, Oregon (hosted by Frank Aden) and Chicago (hosted by Morrie Goldman). Details, hopefully, next month.

73, Clarke Ingram for Pete Oprisko, John Zondlo, and Mike Hogan



WTFDA MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323

Greetings. A few new members this time around, plus a lot of Tidbit material. Here goes.....

Steven R. Choate
Robert W. Colyard
David Curvin
Randy Dorman
Daniel J. Flak
Mike Harron
Scott Levitt
Michael R. Limontas
Doug Mackey
Joseph McNiff
William C. Palmer
Terry Robinson

7721 N. Williamette
126 Forest Dr.
5503 W. Westbury
8113 Spaulding Circle
2451 Bonita Dr.
526 Burlington Ave.
328 Rahway Ave.
50 E. 18th St., Apt. 11
123 Clark St.
28 Hovey St., Apt. 2
120 Ohio Ave.
3 Seymour Rd., Apt. 4

Portland, OR 97203 •
Lakewood, NJ 08701
San Antonio, TX 78228 •
Severn, MD 21144 •
Highland, CA 92346 •
Burlington, ON L7S 1R8 •
S. Plainfield, NJ 07080
Brooklyn, NY 11226 •
Hillside, NJ 07205
Watertown, MA 02172 •
Wadsworth, OH 44281
Elsternwick, Victoria,
Australia 3185.
Des Moines, IA 50317 •
Seattle, WA 98111

John Wade
Michael G. Worst

3444 Kinsey
P.O. Box 21462

Rejoin: Artie Bigley, Albert Kopec, Peter Sawatzky.

Renew: Larry E. Addison, M.J. Albanese, Robert Babut, B.W. Battin, James Brann, Mike Brewer, W.B. Dean, Bill Draeb, Robert Foxworth, George Greene, Alan P. Hobson, D. Mount, Dave Pomeroy, David Rogers, Roger Sabella, Dennis Smith, Dr. James S. Snow, Paul Traska, Morgan Williams.

New Address: B.W. Battin-134 E. Egan-Shreveport, LA 71101
James Brann - 10-I The Villages - Carrboro, NC 27510 •
Doug Downey-35279 Elm St.-Wayne, MI 48184 •
Carlton Howington-743 Neal Rd.-Akron, OH 44312
Roger Sabella-Box 2072-Chicago, IL 60690
Dennis P. Smith-50 Manzanita Way-Paradise, CA 95969
Brook H. Whaley-6320 N.E. 6th Ct., Apt. 4-Miami, FL 33138 •

KOR7AP are the call letters of new member STEVEN R. CHOATE. Steve's interests include VHF-UHF DX and monitoring.

Who uses a Zenith 12" TV, 9 element yagi, Halliocraters SX42, and a Sansui-800? ROBERT W. COLYARD, that's who! Robert also spends part of his DX time on the BCB. He is a member of NRC.

DAVID CURVIN is interested in DXing the frequencies from 1610 KHz to 890 MHz, and he's "working on 19KHz to 2 GHz." David uses a Sony TV, and engages in "continual experimentation on antennas."

TV and SW are the DX interests of RANDY DORMAN. He's also a member of ASWLC.

DANIEL J. FLAK likes to get high....legally, of course. He's a pilot. Daniel uses a Wilcox 807 receiver and "anything I can lay hand on."

The DX gear of SCOTT LEVITT includes an Emerson HDO2, an MGA BT-122, but, unfortunately, no external antenna. His interests include TV, FM, and BCB.

I think I'll let DOUG MACKEY introduce himself: "I started listening to VHF Utility stations in 1968 using a handheld Lafayette receiver, moving to a Webcor multiband radio in 1971 and finally purchasing a Sonar Hi-lo VHF 10 channel scanner in 1972. As of yet, I haven't listened to UHF, except for TV. I recently purchased a Regency TMR-8A Aircraft scanner, 8 channel. I also have several shortwave receivers, a Lafayette HA600 for one."

New member JOSEPH MCNIFF is looking for recommendations from the membership on good quality receivers or scanners that are synthesized. Joe's present equipment is a K1H-21 FM receiver and a TennaTrac 1V scanner.

The DX experience of WILLIAM C. PALMER goes all the way back to KDKA's first broadcast of Nov. 2, 1920. He has receivers and monitors to cover the TV, BCB, SW, and police bands.

Joining us from Down Under is TERRY ROBINSON. A visit to his DX shack would turn up a Hitachi 7-band portable (including FM), a Trio 9R59DE, a Panasonic CP2000 Color TV, a Rotel RX-602 AM/FM stereo receiver, and a Precor VHF portable.

MICHAEL G. WORST is primarily a BCB DXer, as well as being editor-in-chief of IRCA's bulletin, the DX Monitor.

Tidbits.....

Richard Clark (621 N. Euclid Ave., Pittsburgh, PA 15206, 412-828-8726) has such a deal for you: He's selling his Heathkit AJ-1510 receiver for \$400 or the best offer. Richard has had little time to use it, hence the sale. Get in touch with him if you're interested.

Albert H. Ellis (19 McClure Ave., Brantford, ON N3R 4L7) writes: "Formerly the club had some very good articles on subjects of interest to the majority, technically inclined. The kid with rabbit ear installation in Podunk Center who can get stations a hundred miles away seems to be of more interest to some while other members with very elaborate installations collecting stations from far off are top scorers. I wonder just what the membership does want. I have belonged to WTFDA for some years and will as long as it is existent, do so, I THEENK. I could hold forth here on a number of similarly special interest groups who are in trouble, the same as us. Our having dropped all interested members, exclusively to the station chasers, is in my book, WRONG. Maybe the Old Man is wrong. When one has veries from the days when most stations were low power, little incentive exists to chase the megawatters. Yes, I am over seventy." Further comments from Albert will be included in the next Mailbox.

In a recent letter to Bruce Elving, former WTFDA member Don Voegele made some comments of interest: "I had a "Nordmende Fasti" (sic) FM only portable, varactor tuning, that was very sensitive and selective (sharp, no images). Dennis (Smith) lost it through a fire. I'd like to replace it with like quality (varactor "sets" were handy for DX). Do you have any ideas of what or how? Perhaps WTFDA has some members in Germany or Europe?" Don formerly lived in Australia, and now resides at 211 W. 1st Ave, Apt. F, Chico, CA 95926.

Although a member of WTFDA for many years, Don Erickson (6059 Essex St., Riverside, CA 92504) is finally getting active in the TV-FM DX hobby. Don is 29 years old, employed as a computer operator, and has been DXing SWBC since 1961, MW seriously since 11/62. He is also a member of NRC and IRCA. He writes, "Though I've been a member for over 4 years and have attended 4 of the last 5 conventions, I've not started serious DXing.I'd appreciate hearing from members with suggestions on setting up a comprehensive FM and TV DX shack. My primary interest will be TV, but I plan to do plenty of Es FM DXing as I now work nights and am home between 8AM and 9PM. I'd like suggestions from members on good quality equipment including tower, rotor, antenna, TV receiver, and FM tuner or rx. Since I plan to be in the hobby for many years, I'd like to start out with some relatively state-of-the-art equipment with emphasis on E-skip. Any correspondence with members is invited and I'd like to correspond regularly with any who are interested. On slightly related topic, I've got a complete set of VUD from 1/68 to date and will be glad to provide photocopies of the first 5 issues of VUD (complete) as well as any individual specific articles in past issues. The photocopies of the first 5 issues are already prepared; other material is on time-available basis and there is no cost/charge for any of it, and return postage is not necessary. I'd also like to purchase originals or photocopies of any bulletins of WTFDA's forerunner, Worldwide Monitors Radio Club (WMRC).

This word reaches us from Doug Everitt (1708 W. Maine Ave., Enid, OK 73701): "I am enjoying VUD immensely. I didn't think you could put so much interesting data and interesting articles in only 40 pages! The amount of reporting is fantastic! It's a really useful magazine." On another topic, Doug writes, "I have decided that I need to find some new antennas, since most of them got ripped up recently when the wind got ahold of them on a night when I had expect calm weather. Recently, I've been using an Archer VU-160 on all TV bands. The results have not been as good as expected. The VU-160's directivity is horrible. Mounted at 40', I have to rotate a full 90° before nulling out the Oklahoma City V's, while using a V-100, only about 50° was needed. Its gain isn't so great either."

(continued on page 23)

FM NEWS

New Stations Granted

AR Hope 104.9 3000 h,v; 300' 15, 46 mi
CA Monte Rio 97.7 225 h,v; 907' 14, 44 mi
CA Turlock *90.9 10
IA Cherokee 92.1 3000 h,v; 220' 21, 68 mi
(FCC says 102.3, but 92.1 recently added
to Cherokee in lieu of 102.3) [miles]
KY Providence 97.7 3000 h,v; 300' 15, 46
MA Salem *91.7 10; MA W. Barnstable *91.1
10. MN Rochester *89.9 10 h,v
MO Cape Girardeau *90.9 10
NJ Piscataway *90.3 10 (to share time with
WHP *90.3 Highland Park NJ)
NC Kinston 97.7 3000 h,v; 300' 24, 74 km
TX Kilgore 95.9 3000 h,v; 300' " " "
TX Midland 103.3 10000 h,v; 922' 69, 144"
UT Pleasant Grove *88.1 10 h,v
UT Price K292AT 106.3 k [KSPF-FM 104.3
Salt Lake City UT translator] 3k, 400', OA.
WA Tappanish 92.7 466(h) -35'
WY Salem *91.1 10

Deletions AR Ft. Smith K224AB 92.7
CA Fremont KAHK *90.1

On air and DX Ready!

AZ Tsalie KNCX *91.9 10
CA Merced KMTT 97.5 50000 h,v; 493' 8, m
CO Greeley KFKZ 96.1 10000 h,v; 660' 3mSCA
FL Lehigh Acres WAYK-FM 107.1 2350h,v; 330'
FL West Palm Beach WWRN 92.1 3000h,v; 300'
GA Hazelhurst WVOH-FM 93.5 3000h,v; 230'
IL Beardstown WRMS-FM 94.3 3000h,v; 300'
IL Clinton WHOW-FM 95.9 3000 h,v; 300' mk
IL Summit WARG *88.9 10
IN Bedford WBIF 105.5 3000 h,v; 243'
IN Huntington WBOC 100.9 3000 h,v; 300'
ME Rumford WRUM-FM 96.3 30000 h,v; 36'
MA Springfield WTRZ *89.1 10
OK Duncan KRHD-FM 102.3 3000 h,v; 159'
TX Beaville KJOF-FM 104.9 3000 h,v; 300'
UT Monticello KSMC *90.7 10
VT Brattleboro WTSN-FM 96.7 3000h,v; 170'
WI Kenosha WGTB *91.1 800; 145'
WA Seattle K277AA 103.3 (translator of
KIXI-FM 95.7 Seattle WA)

On air with changes (selected)

CA San Francisco KALW *91.7 2500h,v; 1050'
ID Nampa KFXD-FM 94.9 46000 h,v; 2520'
IL Litchfield WSMI-FM 106.1 133000h,v; 175'
IN N. Vernon WOCH-FM 106.1 50000h,v; 165'
LA New Iberia KDEA 99.1 51000 h,v; 440'
OH Hillsboro WSRW-FM 106.7 45000h,v; 160'
OH Springfield WBLV-FM 102.9 50000h,v; 160'
TN Jackson WKIR 104.1 100000h,v; 865' r, E
Technical changes granted
CA Lodi KWIN 97.7 300' (3000 h,v)
CA Los Angeles KGBS-FM 97.1 55000h,v; 770'
CA San Francisco KQED-FM *88.5 adds v
CO Colo. Springs KPJK-FM 93.9 83000h,v;
2110' 57, 107 miles
FL Lehigh Acres WAYK-FM (see above)
ID Jerome KJMA from 92.7 to 102.9
100000 h,v; 760' 68, 139 km
IN Indianapolis WILC 105.7 450' (50000h,v)
IN New Albany WNAS *88.1 2850h,v; 43'
IN South Bend WBLV 101.5 9400 h,v; 970'
IA Davenport K11K 103.7 100000(h); 760'
LA Lafayette KSMG 94.5 30000h,v; 350'
LA Lake Charles KGRA 103.7 470' (100000h,v)

MI Cadillac WITN 96.7 1350 h,v; 430'

MN Collegeville KSJD *90.1 930' (100000h,v)
MO Columbia KCOU from *88.3 to *88.1, 430
(h), 110' 5, 22 miles
NJ Highland Park WHP *90.3 to share time
with the new Piscataway NJ *90.3 station
NM Las Cruces KGRD 103.9 2200 h,v; 150'
NY Syracuse WNTQ 93.1 adds v
NC Greensboro WRON 98.7 400' (100000)
NC High Point WGLD-FM 100.3 100000h,v; 370'
SC Kingstree WUKD-FM 98.3 (from 100.1) 210'
UT Cedar City KSUB-FM 92.5 41000h,v; 1690'
WA Pullman KQQQ 104.9 3000(h); 70' 8, 32mi.
WI Green Bay WBUZ-FM from 98.3 to 98.5;
10000 h,v; 500' 58, 129 km

\$tereo \$tations

CA Chico KCHQ *91.1 (on list supplied by
Dolby labs; presumed to be \$tereo).
IN Hammond WYCA 92.3
MI Manover WFRD 99.3 (on Dolby list) [list
NY Syracuse WNTQ 93.1 (to go r) on Dolby/
NC Fayetteville WOKY 100.9 (on Dolby list)
SC St. George WPMR 107.5 " " "
VA Altavista WMOE-FM 105.5 " " "
VA Lexington WLRV *91.5 " " "
WA Opportunity KZUM-FM 95.1 " " "
Ont. Ottawa CKDU 93.1 pct; also v; haat
about 76 m (4100 h,v); 8.
New Transmitter installed—Stereo?
NJ Millville WMBV-FM 97.3

SCA (67 kHz) activities

CA Inglewood KAGB 103.9 Korean language
CA Sacramento KEBR 100.5 telemetry only;
drop SCA listing
FL Miami WFLA 107.5 adds SCA
GA Brunswick WBSB 100.7 Muzak
IL Chicago WSCI 107.5 adds SCA
IL De Kalb WNTU *89.5 delete SCA
IL Elgin WJXL 94.3 music
IL Rock Island WRRB-FM 98.9 delete SCA
IL Springfield WSSR *91.9 drop (tels. only)
IN Columbus WNNY 104.9 music; rm main.
IN Greencastle WXIA 94.3 drops SCA
IN Lafayette WJUS 92.7 music SCA
IN Monticello WVTL 95.3 music; rk main.
IN Rushville WRCR 94.3 drops SCA
IN South Bend WETL *91.7 slow-scan TV
LA Houma KIKM 104.1 adds SCA
MA Northampton WHP-FM 99.3 music
MI Duluth WGR 105.1 SCA drops them!
MN Golden Valley KQRS-FM Physicians Rad. W.
MN Minneapolis KTCR-FM 97.1 talk
MO Clayton KFUD-FM 99.1 music
OR Ashland KSOR *90.7 adds SCA (still to
wait, but applies for more power)
SD Sioux Falls KPAT 97.3 farm; drops NBC
on main carrier; has v; temporary low
power. TN Milan WBLJ-FM 92.3 talk.
TN Nashville WLAG-FM 105.9 TN News Network
TX Fort Worth KFMD 102.1 adds SCA
TX Macogoches KJCS 103.3 talk (news[soon.
relay; ABC radio networks?]. Going v /
MI Milwaukee WABA-FM 102.1 PRM
PR San Juan WLAG-FM 102.5 talk
VI Frederiksted WVIS 106.1 adds SCA

Dual-city identifications granted

FL Fort Lauderdale WGLD 106.7 adds Miami
FL Tampa WAVV 100.7 adds St. Petersburg

Bruce Elving, Editor /55805
18 1/2 E. 5th St., Duluth MN

Call Letters Assigned

AL Abbeville 94.3 WMLE (KARI-FM)
AK Kodiak *100.1 KMT, \$
AZ Bullhead City 102.3 KRHS
AR Arkadelphia 100.9 KDEL-FM
CA El Centro 107.5 KGO-FM (was KNEU)
CO Ignacio *91.3 KSUT
FL Daytona Beach 101.9 WQXQ (WMFJ-FM)
FL Lakeland *91.3 WCIE (not WPTG)
GA Eastman 92.1 WUFF-FM ("woof")
IL Moline 96.9 WHIT ("m-hit") (WMDR) A?
IN Fort Wayne 103.9 WKXE
LA Golden Meadow 94.3 KZZQ (KLEB-FM); \$
ME Bangor 92.9 WPBC
MI Marquette *90.1 WMBU-FM (WMMR)
MI Midland 93.5 WRCI
MN Rochester 101.7 KNEB-FM (KNCV)
MN Thief River Falls 99.9 KOSN-FM
MO Florissant 97.1 KSCF
MO St. Joseph 97.7 KSTG (KMPL-FM)
NY Brockport *90.5 WBSY
NC Sanford 105.5 WJFA (WQMG-FM)
OH Fairfield 94.9 WLVV (WCMH-FM) to m
(from k); on air with 50000h,v; 490'.
TN Memphis 102.7 WZXR (WREC-FM)
TX Fort Worth 93.9 KBUY-FM (KBUY-FM)
VT Stowe 101.7 WRRB
VA Norfolk 95.7 WKEZ ("keys") (WTAR-FM)
WA Tacoma 103.9 KBRD (KTAC-FM)
WY Gillette 93.5 KOLL-FM
PR Isabella 101.5 WKSA (WKSA-FM)
"-FM" means there is no like-call-
lettered AM affiliate or like-call-
lettered TV affiliate that was estab-
lished before the FM (thus WMBU-FM
was established before there was a
WMMR-TV [itself changing to WMMU-TV],
so it is the TV—not the FM—which
takes the hyphenated stem in my system).

Formats/Networks

CA Gilroy KFAF 94.5 g (from pk); 75CA.
CA Pismo Beach KPSB 95.3 rk
CA San Diego KSON-FM 97.3 k (from g)
CA San Francisco KGBS-FM 96.9 rk (jm)
GA Savannah WTOG-FM 94.1 k (from m)
GA Waycross WACL-FM 103.3 r (from m)
IL Carlinville W181 *91.1 co, \$
IL Chicago WBEZ jcr (no SCA heard)
IL Effingham WCRV-FM 95.7 k (not rk)
IL Waukegan WFEA 102.3 mk
IN Greensburg WNDY *106.3 rc
IN Decatur WADH-FM 92.7 m (not km)
IN Elwood WHPM 101.7 k (not kr)
IN Hartford W10-FM 99.7 rk
IN Hartford City WWHC 104.9 mk (no SCA)
IN Howe *89.7 WHEW (from r)
IN Indianapolis WJEL *89.1 c
IN Indianapolis WMPH 93.1 p
IN Logansport WSAF-FM 102.3 mk [k]
IN Martinsville WCRK-FM 102.3 rk (was/
IN Notre Dame WNDW *88.9 cr
IN Pendleton WHEM *91.7 r
IN Plymouth WTCV-FM 94.3 rk
IN Rochester WRD1 92.1 rk
IN Valparaiso WJJE 105.5 k (from rk)
IN Wabash WKUZ 95.9 rk
IN Washington WFMJ 106.5 l (from E)mr
MD Braddock Hts. WZYQ-FM 103.9 r (rk)

MD Halfway WQCM 96.7 p
 MN Mankato KYSM-FM 103.5 r (dropping k)
 MN Now Ula KNUJ-FM 93.1 rm
 MN Virginia WIRN 107.1 E (from I)
 MO Rolla KJMR *88.5 mc
 NH Keene WNBX 103.75 m 10 am-10 pm; CBS
 NJ Trenton WPSI 97.5 r ("adult rock")
 NY Henrietta WTR *89.7 r (10 m Dolby-
 equipped, but Dolby co. not sure if \$)

OH Chillicothe WBEX-FM 93.3 k (not km)
 OH Marietta WIRT *88.3 r
 OH Toledo WKLR 99.9 r (from s); still Y, Z?
 OH Wooster WNST-FM 104.5 m
 NC Bridgeton WSFL 106.5 r (from m), \$
 NC Greenville WNCI-FM 107.7 k, monaural, CBS,
 dropping \$, separate m programming.
 NC Laurinburg WSTS 96.5 g (from gk)
 NC Raleigh WRAL 101.5 ar (Hit Parade), \$

NC Roanoke Rapids WPTM 102.3 k
 SC Beaufort WBEU-FM 98.7 mp
 SC Camden WPIB-FM 94.3 kr
 SC Florence WSTN 106.3 rm
 SC Summerville WWSZ p (not rs)
 SC Wallerboro WALD-FM 100.9 r
 TX Dallas KEZT 104.5 to change from
 m to rs. VT Brattleboro WYSA m. \$7
 96.7. WI Green Bay WGBF 90.1 ar.

FM News and Members' Comments

My sincere thanks to everyone who sent Christmas cards; and I repeat, a happy and DX-filled New Year. Even if you're not hearing DX you could put this column to good use by checking the "on air and DX ready" section to see what new local and nearby stations you can hear. While blocking out some DX channels, new locals are interesting to listen to, they fatten your totals and, of course, can be written to for verification.

I finally got the FCC Fig. 1 (revised) enlarged to match my old sliding scale so that FM coverages can be computed according to the new FCC curves. These generally represent a reduction in secondary coverages (second figures given on previous page), as well as a lowering of coverages, primary as well as secondary, for high-towered stations. A class C station at maximum 100,000 watts and 610 meters (2000') would get out 106 km before, but only 92 km the new way of figuring it out. In other news:

KZZQ 94.3 Golden Meadow LA seems to be only \$ mornings when duplicating the AM and using former call, KLEB; at night when separate they are monaural. WRPM-FM 107.9 Poplarville MS back on air; mono. Despite the network switches at Detroit's WJR and WWJ (both AM), the FM adjuncts concerned do not carry any network programming. Now, a rebuttal of Tom Cornell's discussion of the European Radio system that appeared in the December column from Alan Hobson, Vanier, Ontario, who DXes from his summer location in the extreme southwest of England:

First, the BBC is far from being a state-run monopoly. It is an independent body created by a Royal Charter and derives its revenue from the sale of television licences to the general public. This is a far better system than Canada's, where the CBC has to depend on annual government funding, and is to me the optimum method of broadcasting. With regard to programming, all three BBC-FM radio services are in stereo and not just the two as Tom mentioned. Radio 4 transmits in stereo when programming drama or music. The AM band does not duplicate FM 100%. Those long, boring cricket matches that Tom mentioned are sometimes only on AM, and I believe would always be, if the economic situation permitted. There are several other occasions when AM and FM programming differ. Overall the multitude of programs on BBC radio and their high quality never fails to impress me and is certainly a refreshing change from the rigid formats of North American commercial radio.

Technically, the FM signals are superb. The programme distribution system is known as Pulse Code Modulation (PCM) and involves converting at Broadcasting House, London, the audio signal into digital information. This is then converted through a decoding network to an audio signal at the transmitter and then broadcast stereophonically. . . I find DXing, at least in my summer location in the extreme southwest of England, to be very interesting. Consistent reception is available from the great number and variety of stations in continental Europe. In addition, local commercial AM/FM radio stations are now in operation in the major urban centres of the U. K. (Alan enclosed an interesting article describing an Englishman's observations of U. S. A. radio, including such amazing statements as "In Los Angeles, a non-commercial radio station cheerfully goes off the air for a month and uses its frequency to appeal for funds. There are owners of radio stations who do not know the difference between AM and FM. . . With 7,000-odd radio stations across the continent, there are some you can buy for five to ten thousand dollars. . .")

Perhaps the thing Tom has against England's broadcasting, from a DXing standpoint, is that individual transmitters are not identified. In the 'states, individual transmitters making up public radio and TV networks always break away at least once an hour with their own identification, thus helping the DXing hobby. But when do you ever hear "This is GSX 94.9 on your dial in Wrotham" (or whatever their call letters are)? Concerned European DXers might in time be able to force their countries' broadcasting authorities to give regular individual transmitter identifications and to use call letters, but I am afraid that the trend away from call letters is a growing one, with this continent following Europe more than the other way.

Meanwhile, back in the 'states, WSME-FM 92.1 Sanford ME is on the air, \$. WBUR *90.9 in Boston is installing its new circular polarization antenna (22500 h, v; 260'), which should help to eliminate multipath problems. FCC has decided on AM-FM nonduplication rules to go into effect Jan. 1, 1977. Only 25% of the FM programming can be duplicated in cities of 100,000 if either the AM or FM station is so licensed. For stations in cities of 25,000 to 99,999 50% of the programming can be duplicated, but by Jan. 1, 1979 this percentage drops to 25. This probably means that day-time stations operating 24 hours per day on FM (daytime on AM, that is) can duplicate only six hours per day and still be within the 25% rule.

WAUK-FM 106.1 Waukesha WI applies for calls WHIL. If granted its calls would be promoted on a huge neon sign in downtown Milwaukee that still mentions WHIL—from the days of WHIL-AM-FM (later WWHV and now WZUW-AM-FM). Said sign now un-lighted. KFAT 97.3 Sioux Falls SD has been on low power after a storm almost a year ago, and they write and say they "will have to go up in power and height—no date as yet" set for this increase.

Off the air? A Florida reporter says he no longer is able to pick up WPCS #89.3 Pensacola FL, g. Some time ago they were pleading for money, so they may be off the air completely. KAGE 103.9 Inglewood CA said to be off the air, in receivership. Yet they go ahead and get FCC O.K. for some creative SCA uses (see SCA section two pages previously).

WGTV #90.1 Washington is in trouble with the board of directors of Georgetown University over public service spots for abortion counseling. The general manager was fired Dec. 8 and replaced by a woman. Changed programming includes basketball play-by-play pre-empting regular programs (and the deletion of abortion blurbs; perhaps supplanted by the Marian Hour?).

WNBX(FM) carries CBS newscasts at noon, 5 p. m. and 6 p. m. with headlines on the hour at other times. (Call letters are WNBX 103.7 in Keene NH, even though their letterhead still says WKNE.) Jim Pizzi, Orcutt CA, writes that he's had excellent luck using a newly-installed vertically mounted 10-element FM yagi at 40', with ten new stations since putting it up. "Produces a lot of nulls on locals and semi-locals. Looking forward to the Es season." Also in California:

KVRE-FM in Santa Rosa is still on 99.3. KVON(AM) Napa has a CP to buy KVVN St. Helena, which is not on the air but supposed to build on 101.7. Tom Young, the owner of KVON, worked an arrangement with the owner of KVRE to swap frequencies. This is so KVVN's tower could be in a more favorable location so as to cover both St. Helena and Napa. KVRE will switch in May or June. KVVN will go on the air in July, using KVRE's old crystal. KVRE on 99.3 was received in San Francisco with a fine signal, far superior to KZST 100.1 from the same city. A fine signal also received from KKIQ 101.7 Livermore, with a rotator facilitating separating this station's signals from others on the channel. KFAT Gilroy is now on 94.5 with a fine signal in S. F. KKHI-FM's booster on 95.7 is on in Walnut Creek, and KFOG is applying for theirs any day now. NBC's NIS isn't faring too well on FM. October-November ARB metro shares: KNAI S. F.: .4, WBAL-FM Baltimore 2.0; WNIS Chicago 0 (no show!); WNWS New York .4.

WEFM 99.5 and WFMT 98.7, both Chicago and both presently with classical-music are compared by a DX listener to the two. "Having heard most of the classical FM stations around the country and BBC3, I honestly believe WFMT to be the finest station of its type (by my standards anyway). The major advantage of this station is that it does not compromise its programming standards to seek high ratings or the largest possible audience. No jingles are aired, all ads are read live by the announcer, and all musical selections are played complete (except during the Morning Program and specific special programs) without commercial break. Commercial time is limited to four minutes/hour, yet advertisers are standing in line! This in spite of programming that doesn't talk down to its audience and seeks to set quality standards second to none in the broadcast industry. WEFM has many good things to offer, too; but I don't place them in quite the same category. They have more light music ("semi-classics"). Were there no WFMT to compare to, I'm sure I would find WEFM very listenable. What is especially nice is that Chicago has three such stations to pick from (I can't receive WNIB very often), so you can have your choice." WEFM, of course, has been sold, wants to change to WICV with a rock format, but a citizens group and the courts have so far stopped this. Now the FCC has a rule-making to inquire the extent that format changes should be checked into when a station license is transferred—something long overdue, in my opinion. After looking at British broadcasting, these comments concerning France:

FM broadcasting has not evolved to the U. S. level of complexity. In fact, France-Inter and France-Culture are parallel to AM. The technical philosophy seems to be to provide uniform coverage throughout the country. Thus, transmitters tend to be located in optimal spots atop mountains, etc., rather than near cities. "Avignon" is actually 50 km away, atop Mt. Ventoux. FM in France also includes broadcasts from border-areas—Luxembourg, Monte Carlo and the Saar. The supposedly private commercial broadcasters (2 in Andorra, 1 in Luxembourg, Monte Carlo and Europa 1 in Germany, each) are actually controlled by the French government by virtue of partial ownership by a government holding company! FM in France can be summed up by saying that it is technically sophisticated but primitive in terms of programming. I spent a month in Lyon. One day there was a temperature inversion with exceptionally clear air. It was possible to see Mt. Blanc and the Swiss Alps. Believe it or not, it was actually possible to see the layers of air! Must have been fantastic tropo ducting!

And that concludes another column. Here's the list of contributors: E. H. Close, pres., WKNE-WNBX Keene NH; Tom Cornell, Kokomo IN; Michael Dalton, Clearwater FL; Ferdinand S. Dombrowski, Jr., Milwaukee WI (remember him?); Michael Dorner, Jr., Metairie LA; Paul L. Gaines, Detroit MI; Alan Hobson, Vanter, Ont.; Frank Merrill, Toledo OH; Jim Pizzi, Orcutt CA; Ken Sharon FL; Andy Smith, Hyattsville MD; R. J. Steinberger, Hudson MA; Peter V. Taylor, San Francisco CA (who asked where Adolph is—it's 9 miles NW of the center of Duluth on highway 21); David Walcutt, at last report traveling in France at Avignon, and a former WFDQ'er from southern Illinois. And John Ebeling, Bloomington MN, who also contributed!

NORTH OF THE BORDER REPORT: FOR NEWS IN CANADIAN BROADCASTING

FEB 76

TV APPROVALS

STE ROSE DU LAC, Man. ch. 3 1344 w. Sat. CBWT Winnipeg ch. 3 (CBC FR)
THOMPSON, Man. ch. 5 72 w. Sat. "
YELLOWKNIFE, NWT QFYK-TV ch. 8 Pres: 59.5 w. omni Auth: 2.4 kw. dir
RAE/EDZO, NWT ch. 10 72 w. Sat. QFYK-TV above
BEARN/FABRE, PQ ch. 3 186 w. omni Sat. CKRN-TV Rouyn ch. 4
CAMPELL R., BC ch. 76 5 w. (xmt'r pwr) dir Sat. OBEK-TV Victoria ch. 6
HAY R., Nfld ch. 7 648 w. Sat. OBEK-TV Fine Point ch. 4
L. DESMARAIS, NWT ch. 13 143 w. Sat. "
TROIS RIVIERES, PQ ch. 8 11 5.12 kw. dir. Sat. CHLT-TV Sherbrooke ch. 7 (TVA)
JOUTEL, PQ ch. 12 143 w. dir. Sat. GJDO-TV Lithium Mines ch. 8
STE MARGUERITE MARIE, PQ CHAU-TV-1 ch. 2 Pres: 219 w. Prop: 4.73 kw.

FM APPROVALS

NELSON HOUSE, Man.	93.7 MHz	85 w.	Sat. OBN-AM Winnipeg
LEAF RAPIDS	94.5	74.1	"
S. INDIAN L.	95.3	65.6	"
ILFORD	94.7	86	"
SPLIT L.	95.5	86	"
ALERT, NWT	105.9 MHz	50 w. omni	(Eng lang)
LAG AU SAUMON, PQ	97.3 MHz	915 w.	Sat. OBO FR auth AM stn. in Rimouski
CAUSAPSCAL, PQ	98.3 MHz	22 w.	Sat. Lac au Saumon 97.3
KINGSTON, ONT	99.5 MHz	3 kw.	Sat. QJBO-AM Toronto (OBO FR AM)
BELLEVILLE, ONT	95.5 MHz	25 kw.	Sat. "
OTTAWA, ONT	GBOF-FM 102.5		to carry GBOF-AM on SMO
OTTAWA, ONT	GBO-FM 103.3		to carry GBO-AM on SMO
CORNWALL, ONT	98.1 MHz	3 kw.	Sat. GBOF-AM Ottawa via SMO of GBOF-FM
CORNWALL, ONT	95.5 MHz	(see Belleville)	3 kw. Sat. CBO-AM Ottawa via SMO of GBO-FM
CAMBRIDGE BAY, NWT	105.1 MHz	82 w.	Sat. GBO ENG & Native language Northern Service
COOPERMINE, NWT	105.1 MHz	82 w.	Sat. OPIK-AM Yellowknife & local program
SCMCs Montreal CKMF	94.5	& Toronto CHUM	104.5 (OPI 98.1 to diets)

TV APPLICATIONS

MEDICINE HAT, Alta h. 8 Auths: 13.4 kw. Props: 6.7 kw.
ST PAMPHILE, PQ ch. 3 115 w. Sat. OKRT-IV Riviere du Loup
LETHBRIDGE, Alta ch. 10 123 kw. dir. Sat. ORNT Calgary ch. 9 (DJOO to go indpt)
QASPE, PQ CHAU-IV-6 ch. 10 Press: 5 w. xmtr pwr Props: ch. 13 157 w.
CHICOUTIMI, PQ ch. 58 11 10 kw. Sat. CBO ENO met
CLARENVILLE, Nfld ch. 7 350 w. Sat. ORNT St. John's
WESLEYVILLE, Nfld ch. 5 204 w. " " "

FM APPLICATIONS

TORONTO, Ont CHIN-FM Pres: 100.7 MHz 4 kw (ON TOWER) Props: 107.1 MHz 40 kw. &
TORONTO (Jan 13 hearing): for 99.1 MHz: 62 kw., 59.3 kw., 87.5 kw. & SOWO,
50 kw. & SOWO "CFPI-FM" all news by CKEY-AM, 100 kw. Richmond Hill by CFQM-AM.
for 97.5 MHz: 20 kw & SOWO for 107.1 MHz: 100 kw., 100 kw.
BURLINGTON-HAMILTON, Ont (Jan 13 hearing): for 102.9 MHz: 50 kw. & SOWO
for 107.9 MHz: 50 kw., 81.66 watts by McMaster U.
Margaree, NS 101.9 MHz 82 w. & CHETICAMP, NS 107.9 82 w. Sat. QBAF-AM Moncton NB
GREEN L. Saak 94.9 MHz 78 w. (a Gree & Eng languages)

TIDBITS

CICO-TV- ch. 28 (Paris) & 18 (London) seen testing in Dec. in London
 ### CIOU-FM Ottawa should be on. CJOY-FM Guelph ON now CKLA-FM.(106.1)...
 CKFB-FM St Catharines ON, 97.7 heard with 50 kw. in stereo, still some simulo.
 ### That CBC FR stn. on 97.7 REGINA is (obviously) CMBF-FM.
 ### Ontario Govt budget cuts will freeze CEMA applie. for Peterboro ch. 33 10.2 kw,
 North Bay ch. 6 19 kw., timmins ch. 7 14.9 kw. & Sault Ste Marie ch. 20 7.6 kw.
 Also, approved stns. for Sudbury, Thunder Bay ch. 19 & 9 want be built.
 ### CIVM-TV ch. 17 Montreal operates for 3 hrs. from 7 p.m. (W. Paulson of Ottawa via HQ)
 ### Jeremy Aurelie Forster Valdes of Wolfville, NS has heard 103.7 CBZA-FM Grand
 Manan, NB (sat CBZ-AM Fred.) & 102.5 CBZF-FM mono from Mt. Champlain between St. John
 & Fredericton. NB (Sat. GRAF Moncton).

73s & good DKING. Mark & Joel

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CLARKE W. INGRAM, 5201 COLEWOOD DRIVE, PITTSBURGH, PA 15236 (412) 892-2497
THIS WILL BE THE LAST DX SCOREBOARD COLUMN UNTIL A NEW EDITOR IS APPOINTED

A NEW EDITOR...in more ways than one. With this issue, your Scoreboard editor assumes the VUD editorship, and consequently finds himself unable to continue the duties of this column. A new editor is immediately needed to take over the DX Scoreboard column, which will be expanded to include TV distance records as recently relinquished by Glenn Hauser. Glenn will continue to edit and compile FM distance records presently, but those persons interested in assuming the editorship of this column should contact Glenn in the event that he should relinquish the FM records at a later date. I suggest that the Scoreboard and Statistics columns be consolidated, with both Glenn and the Scoreboard editor sharing the editorial duties, until such time as all duties can be transferred to a single editor. This will return the DX Scoreboard column to its original status as a section of the Statistics column.

As a parting gesture, your editor has compiled the TV and FM Scoreboards for this column, probably the first time that both have appeared together. Neither Scoreboard will appear again under this writer's editorial direction. As promised, outdated totals (marked in previous months with a *) have been deleted; therefore, the totals in both Scoreboards are accurate and may be continued in future Scoreboards until they too become obsolete. My thanks to all those members who have contributed TV or FM Scoreboard totals at any time during my editorship of this column.

Applicants for the position of Scoreboard editor should contact this writer at the address above as soon as possible. A typewriter, preferably electric, and some proficiency at typing is expected and required. Unlike previous editorial appointments, the new Scoreboard editor will be selected on the basis of the quality of his or her work...not solely on his or her speed in replying to this appeal. Interested persons and potential editors should contact the September 1974 VUD for a complete explanation of both Scoreboards, and the April 1974 VUD for details on how to prepare columns and articles for the VUD.

As the "new and improved" Scoreboard column will include TV-DX records, those interested in assuming its editorial responsibilities should also have access to a recent edition of TV Factbook, for precise transmitter locations. A natural aptitude for mathematics and figures would also be most helpful, as this column's editor must measure distances as well as compile totals. Statistics editor Glenn Hauser can be of more assistance regarding the specifics of TV distance record editing.

I personally suggest that the Scoreboard column be improved by adopting metric figures under the Average Distance heading for both TV and FM (it's not difficult: if one has access to a Rockwell 51R or similar calculator, miles are easily converted); the institution of a VHF-UHF Scoreboard as discussed previously in this column might also be considered, as well as the possibility of computing distance records for VHF-UHF stations or the various frequencies.

I am deeply grateful to all those who assisted me during my editorship, including (but not limited to) Glenn Hauser, Don Ruland, Morrie Goldman, and a plethora of Scoreboard contributors, some of whom are not listed on the following two pages. I urge these contributors and all WTFDA members to actively support your new editor...whomever he should be.

73, 
Clarke Ingram

DXer, Location	S Total	T UHF	A Xtr	I Es	O MS	N Au	POLITICAL UNITS				AVG DISTANCE			VB	As of:	
							US	CN	MX	FO	TPU	LBV	HBV			UHF
Bob Seybold, Dunkirk NY	656	239	36	158	28		49+	8	4	3	65			50	Jan 5	
Bob Cooper Jr., Guthrie OK	649	253	80	150	97	0	42+	5	14	9	71			69	Dec 8	
Bill Draeb, Kewaunee WI	588	235	28	150	15	0	42+	6	1	0	50	324	431	393	755	Jan 18
Jim Gould, Kokomo IN	507	186	7	122	5		42+	8	7	2	60			60	Aug 7	
Don Ruland, Kenosha WI	407	184	18	72	29	0	39+	6	1	0	47			71	Dec 8	
Marvin Shults, Toulon IL	348	128	14	106	24	0	42+	7	3	1	54	354	333	832	Dec 9	
Ron LeBlanc, Marrero LA	344	80	2	109	9	0	37+	3	9	6	56			67	Jul 9	
John Parillo, Girard OH	338	77	0	118	8		35+	7	0	1	44			51	Apr 9	
Fred McCormack, Des Lacs ND	322	36	20	199	45	0	40+	7	2	0	50	303	306	502	840	Nov 30
Paul Traska, Buffalo NY	315	145	20	58	16	0	34+	4	0	1	40			67	Jul 28	
Paul Petosky, Munising MI	287	34	35	107	5	6	36	8	0	1	45			54	Jun 15	
Rod Luoma, Livonia MI	283	139	5	44	5		31+	3						53	Oct 18	
Pat Dyer, San Antonio TX	282	46	0	134	26	0	40	3	8	4	55	564	850	59	Oct 12	
Richard Allen, Billings OK	276	58	15	117	29	0	40+	4	9	0	54	343	323	371	847	Aug 8
Frank Wheeler, Erie PA	259	48	1	117	5	2	33+	9	0	1	44	256	235	187	692	Dec 2
John Combs, Orlando FL	238	67	1	85	14	0	27	2	3	6	38	439	464	435	72	Aug 9
Dave Egan, Valleyfield PQ	230	30	2	102	14	0	35+	6	0	1	43	228	285	202	810	Jul 15
Paul Gaines, Detroit MI	228	98	4	30	6	0	26	3	0	1	30			69	Nov 6	
Greg Kelley, Staunton VA	219	79	24	24	0		24	4	2	1	31			66	Oct 30	
R. Mike Brewer, Knox Co. OH	216	70	2	86	0	0	32+	6	0	1	40	136	137	000	000	Aug 11
Ken Simon, West Palm Beach FL	212	34	4	119	24	0	30+	4	7	9	51			69	Jun 26	
Scott Sampson, Orion IL	190	104	8	25	8	0	31	2	0	0	33	184	230	274	779	May 25
Roy Barstow, Teaticket MA	183	75	0	56	1	0	32+	5	0	0	38			70	Dec 4	
John Sally, Wickliffe OH	152	54	0	43	1	0	24	2	0	1	27	188	181	175	395	Nov 25
Fred Nordquist, N. Syracuse NY	144	26	0	55	3	0	27	5	0	1	33	195	133	556	69	Nov 8
Clarke Ingram, Pittsburgh PA	143	32	0	48	19	0	28+	3	0	1	33	185	175	125	405	Jan 19
Harry Hayes, Thornhurst PA	141	9	0	81	2	0	30+	4	0	1	36	188	256	121	698	Aug 26
Wayne Fitzgerald, Lynchburg VA	132	10	0	83	0	0	27+	4	1	2	35	171	129	104	000	Jul 15
Merrill Bancroft, Townsend MA	118	28		48			31							65	Jan 1	
Steve Wiseblood, Santa Maria CA	113	16	1	71	12	0	19	3	6	0	28	173	164	162	817	Aug 7
Jim Alexander, New Hartford NY	101	12	1				26	5	0	0	31			72	Jul 18	
Steve Sprachman, Seaford NY	101	59	8	19	0	0	23+	0	0	0	24	181	195	178	000	Jul 1
John Anderson, Lowe Farm MB	54	0	0	30	2	1	23	5	0	0	28	235	000	798	75	Dec 1
Tim O'Malley, Pittsburgh PA	45	22	0	2	0	0	7+	1	0	0	9	106	131	105	000	Aug 15
Michael Hogan, E. Chicago IN	26	13	0	2	0	0	6	0	0	0	6			73	Jun 28	

NOTES AND COMMENTS: Still more average distances have been submitted; I hope that you will continue to do so for your new editor! Several DXers have only three averages listed because they mistakenly included Es & MS in their low band VHF average; LBV should be tropo only! My thanks to new contributors Paul Gaines, Roy Barstow, John Sally, Harry Hayes, and John Anderson. All dates above are 1975 except this writer's. Best of DX!

DXer, Location	S T A T I O N S					POLITICAL UNITS					AV DIS		YB	As of.
	Total	88-92	Es	MS	Au	US	CN	MX	FO	TPU	Tr	MS		
John Ebeling, Bloomington MN	918	120	445	13	66	45+	4	2	0	52	705	52	Dec 1	
Pat Dyer, San Antonio TX	912	98	701	13		38+	2	6	3	50	755	70	Oct 12	
Fred Nordquist, N. Syracuse NY	790	98	303	15	22	38+	3	0	2	44	286	69	Nov 8	
Bob Seybold, Dunkirk NY	781	82	306	0		41	4	5	0	50	000	60	Jan 5	
Ron LeBlanc, Marrero LA	733	107	351	2	0	39+	2	5	4	51		71	Jul 9	
Michael Dalton, Clearwater FL	676	148	271	2	0	37+	1	8	8	55		72	Oct 1	
Fred McCormack, Des Lacs ND	631	85	437	20	65	42+	5	2	0	50	473	65	Jun 6	
Joseph Fels, S. Plainfield NJ	616	128	210	2	9	37+	2	0	2	42		68	Nov 25	
Peter Sawatzky, Waterloo ON	607	65	218	48	2	37+	4	0	1	43	230	71	Sep 22	
Roger Winsor, Valparaiso IN	607	102	89									66	Mar 21	
Danny Buntin, Stillwater OK	485	60	227	0	0	42+	3	2	0	48	366	74	Oct 11	
R.J. Steinberger, Hudson MA	366	60	106	7	6	31+	2	0	0	34		58	Oct 6	
Steve Wiseblood, Santa Maria CA	351	44	208	9	0	18	3	4	0	25	135	71	Oct 11	
Earle Lyons, Belleair Bluffs FL	289	59	0	0		24	1	4	4	33	000	74	Apr 22	
Harry Hayes, Thornhurst PA	287	20	125	1	0	30+	2	0	1	34	180	70	Aug 26	
Wayne Ebeling, Bloomington MN	267	45	100	3	0	30+	0	0	0	31	758	72	Nov 30	
Joseph Smith, Johnson City NY	200	26	1	3	0	13+	1	0	0	15	150	71	Jun 14	
Frank Wheeler, Erie PA	134	15	0	0	0	4	1	0	0	5	124	64	Dec 2	
Jim Alexander, New Hartford NY	125	20	23	1	0	16	3	0	1	20	115	74	Jun 9	
Bill Dickerman, Williamsport PA	113	8	3			12+	1	0	0	14		71	Jul 14	
Ken Simon, West Palm Beach FL	102	44	47	0	0	16+	1	1	4	23	000	66	Nov 27	
John Sally, Wickliffe OH	69	8	6	0	0	7	1	0	0	8	211	75	Nov 25	

NOTES AND COMMENTS: Due to an unusually large number of deleted listings (some up to two years old), we have nearly half a page of space to fill! I regret eliminating such prominent DXers as Andy Bolin and Bruce Elving for failure to report; was I requiring too much by insisting upon one report a year? At any rate, I leave the problem to whomever is later appointed to the editorship of the DX Scoreboard column. In the meantime, I shall put the remaining space to reasonable use by presenting a brief description of the Scoreboards, for those who cannot or will not obtain a copy of the September 1974 YUD for the same. TV Scoreboard headings are as follows, from left to right: Total, total TV stations; UHF, total UHF stations, Xlir, total TV translators, UHF only; Es, total stations via E-skip, MS, total by meteor scatter, Au, total by aurora. Consult Beyond Shortwave for further details on these various TV DX propagations. Under POLITICAL UNITS US, total states logged (a + indicates DC and counts as one towards TPU). CN is total Canadian provinces logged (include Nova Scotia and the like); MX, total Mexican estados logged, FO, other foreign countries logged (other than the three countries just mentioned); TPU, total political units (sum of the previous four columns). Under AVG DISTANCE, LBV is low band tropo average, HBV high band tropo, UHF UHF tropo, and MS all meteor scatter. YB is year began, while As of is the date of compiling FM Scoreboard. Under STATIONS, 88-92 is stations logged in US educational band; all other headings read the same as in the TV Scoreboard, as does the POLITICAL UNITS section. Under AV DIS, Tr is average of all tropo on FM, MS average of all meteor scatter. Now, there is no excuse for you not to support your new Scoreboard editor! My thanks again for all your contributions. Good luck to my successor 73, Clarke

SPECIAL REPORT: DOMINICAN TV and FM by Ken Simon

DOMINICAN REPUBLIC -observations were made at Santo Domingo, Santo Cerro, La Vega and Santiago during December and January ('75).

TV.	ch	2	COLORVISION	Santo Cerro	
	4	RTVD	SD		key station
	5	RTVD	Alta Bandera		
	7	Rahintel	SD		key station
	7	Rahintel	Santiago		
	9	COLORVISION	SD		key station
	11	Rahintel	Santo Cerro		
	12	RTVD	Puerto Plata		
	12	RTVD	La Romana		
	13	Tele Inda	SD		lots of US programs are used in English, American Bandstand was seen with US ads and WABC-TV id!
	70	Rahintel	Naviza		

FMs:

89.1	BROADCASTING NACIONAL(?)	SD	
89.5	R.MAIRA	SANTIAGO	\$
90.0	R.GUARACHITA	SD	
90.1	R.EXITOS	SANTIAGO	\$
91.1	HIE	SD	
	R.EXITOS	SANTIAGO	
92.1	ONDAS DEL YAUQUE	SANTIAGO	\$
92.5	R.CENTRAL	SD	
92.7	R.NOVEDADES	LA VEGA	50 w.
92.9	R.FEMINA	SD	\$
93.1	RADIOLANDIA	SANTIAGO	
93.5	R.ALFA OMEGA	SD	
94.3	R.AZUL	SANTIAGO	
94.5	R.IDEAL	NOLA	
95.3	COMERCIAL ESTEREO	SD	\$
	R.RITMOS	SANTIAGO	
95.7	HIBE	SD	\$, CLASSICAL
96.0	RTVD	SD	
96.5	R.CRISTAL	SD	
97.1	R.CIBAO	SANTIAGO	
97.3	LA VOZ DEL ATLANTICO	PUERTO PLATA	50 w.
97.5	HIGO	SD	
97.9	R.SANTA MARIA	LA VEGA	500 w.
98.0	R.UNIVERSAL	SD	
98.3	R.LIBERTAD	SANTIAGO	
98.5	LA VOZ DEL TROPICO	SD	STL
99.5	R.LISTIN	SD	\$
99.7	R.SALCEDO	VILLA TAPIA	
	R.PUERTO PLATA	PUERTO PLATA	50 w.
100.0	RTVD	SD	
101.9	R.AMISTAD	SANTIAGO	
102.0	EPOCA	SD	
102.9	LA VOZ DE FUERZAS ARMADAS	SD	
103.3	R.MIL	SD	
103.7	R.RELOJ	SAN JUAN	
	R.NORTE	SANTIAGO	
104.5	R.CIUDAD PRIMADA	SD	
105.0	R.ABC	SD	
105.5	R.CLARIN	SD	
106.0	R.BABIN	SD	
106.1	R.NACIONAL	SANTIAGO	
106.5	R.VISION	SD	
107.0	LA VOZ DE FUERZAS ARMADAS	SD	\$
107.7	HIBE RADIO	SAN FRANCISCO DE MACORIS	
	R.ANTILLAS	SD	
108.0	ONDAS DEL YAUQUE	SANTIAGO	

This list is based on Richard Clark's December-January 1975 visit to the Dominican Republic with stops at Port Au Prince, HAITI.

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

February 1976

Deadline: 10th

Winter so far has brought exceptionally lousy and record cold weather to many parts of eastern North America—and of course, almost no significant tropo activity. Going back to December, Ken Simon's loggings indicate good conditions over the Southeast U.S. on the 2nd, and some decent (but short-lived) coastal tropo was observed by Scott Levitt in New Jersey on the 6th. However, bitter cold arctic air was circulating much farther south in early January than usual for winter, and that practically eliminated chances for tropo development in areas of the East all the way down to Florida. There have been a number of winter R_s openings, especially in early January—but no clearly defined peak days have become evident from reports received so far, so we'll wait for more reports before making any analysis of mid-winter skip activity. No positively IDed auroral TV DX loggings have been reported from the giant January 10th disturbance yet—but it did induce intense R_s in the early morning hours of January 11th.

Scott Levitt 328 Rahway Avenue South Plainfield, New Jersey 07080 (EST)
"This is my first report. I use an Emerson model 12AP02, and an NHA model BT-122. I don't have an outside antenna yet, but I am planning to get a Fimco 7' dish, and an Archar V-185 in the near future. I am 12 years old, and a student at S. Plainfield Middle School. I've been DXing TV since I was in 4th grade, and have received 87 stations, 36 VHF, 51 UHF. Up until last summer, I didn't even know what B-skip or tropo were! I found out about them, as well as the WFFDA, in an article in Elementary Electronics."

December
6 Tr 1010 WTRN-8 New Haven CT (92)
WAPB-22 Annapolis MD (124)
WHRB-30 New Britain CT (121)
WHDW-49 Bridgeport CT (78)
WDCA-20 Washington (174)
1015 WATER-20 Waterbury CT (99)
WHEB-24 Hartford CT (121)
1017 WLVI-56 Boston MA (206)
1025 WTOP-9 Washington DC (174)
WGAL-8 Lancaster PA (103)
WJZ-13 Baltimore MD (146)
1040 WFHI-12 Providence (178)
1045 WETA-26 Washington (174)
6 Tr 1147 WHEB-53 Norwich CT (139)
No 1810 KATC-3 Lafayette LA (1189)
unID-2 KBC south
14 Tr 0910 WTRN-8 New Haven CT (92)
WGAL-8 Lancaster PA (103)
0915 WDCA-20 Washington (174)
WHRB-28 Scranton PA (85)
WAPB-22 Annapolis MD (124)
January
1 No 1836 unID-3
2 Tr 1630 WTRN-8 New Haven CT (92)
WTSV-6 New Bedford (192)
WAPB-22 Annapolis MD (124)

(Great to get a report from New Jersey. Thanks, and welcome! -bt)

Ken Simon 528 Pileas Road West Palm Beach, Florida 33405 305/585-7415

December
2 Tr 1850 unID-10 "strong CUIo/WFLA"
WUSF-66 Tampa (rare) 4455R
WSWB-35, WTOG-44 FL
"weather note: cold front just north of here moving south"
2000 WJES-17 Jacksonville (265)
WKFB-24 Orlando FL 2244R
2030 WJSF-28 Warm Springs 4444R
WCJB-20 Gainesville 4444R
WJCL-22 Savannah GA (390)
2032 WACS-25 Dawson GA 4444R
WYEA-38 Columbus GA 4444R
2037 WSIQ-43 Louisville AL T
WHA-14 Allendale SC T
unID-16 "CCI over WUSF"
WHEB-18 Dothan AL T
unID-20 "CCI over WCJB"
WAAT-31 Huntsville AL T
WCWB-41 Macon GA T
2130 WXGA-8 Waycross GA T
WJCT-7 Jacksonville FL T
(All times in report are EST) "First sign of R_s since AUGUST!!! Looks like '76 is off to a good start. 73e"
2 Tr 2130 WYVU-26, WCLT-40 FL
3 1900 WJES-17, WKFB-24, WSWB-35
18 0825 W69AA-69 Hollywood FL
1811 WMPB-24 Orlando FL 1115R
unID-17 WTOG-44 FL
1830 WKFB-24 Orlando FL T
WSWB-35, WTOG-44 FL
27 0830 W64AD-64 "rebr. IGR6 Havana"
0844 W64AD-64 "rebr. WDBO-6"
28 0826 WLCY-10 Largo FL
"note with antenna pointed south: WFLA-8, WFTV-9, WHEB-30, WSWB-35, WCLT-40 & WTOG-44 all 5555R; @ 0900 WTVX-34, WYVU-26 as above w/sign ons"
0836 W69AA-69 Hollywood (WCLT)
January
1 Tr 0430 WTOG-44, WFTV-9 FL
0930 WJCT-7 Jacksonville FL T
WJES-17, WHEB-20, WYVU-26, WTVX-34, WCLT-40, WTOG-44
No 1628 unID-2 "Liz Taylor movie"

Martin J. Theil 12 Princeton Drive E. Holiday, Florida 33589 (BST)

<u>November</u>									
11 Tr 0930	WDBO-6	Orlando FL	4344	17 Tr 1330	WJXT-4	Jacksonville	3333		
	1600	WESH-2	Daytona Beach	23 Bs 1330	WBBM-2	Chicago IL	3332		
13	0900	WUFT-5	Gainesville	24 Tr 1130	WCTV-6	Thomasville	3444		
28	1800	WTLV-12	Jacksonville						
	2300	WJCT-7	Jacksonville						
		WJXT-4	Jacksonville						

<u>December</u>									
1 Tr 1000	WESH-2	Daytona Beach	3524	1 Es 1600	WAPA-4	San Juan PR	3311		
3	1130	WJHG-7	Panama City FL		1600	WESH-2	Daytona Beach	2121	
6	1800	WDBO-6	Orlando FL		1630	WUFT-5	Gainesville	2222	
11	1000	WJHG-7	Panama City		1700	WCTV-6	Thomasville	3224	
					1800	WXLN-40	Sarasota FL	3443	
					2	1230	WRHL-3	Columbus GA	4323
					5 Es 1330	WKAQ-2	San Juan PR	4444	

Equipment includes RCA 19" set, Rembrandt rabbit ears, Zenith 6-band AM-FM UHF-VHF PSB receiver. "I would like to write and exchange experiments with indoor antennas, tips on interference as I am 4 blocks from TV 10 tower. Also would like tips on improving signals on multiband radios like Zenith 6-band Continental RB94Y. Wanted to write to all Florida members about above articles. Good skip on Jan. 1."

Steven Sprachman Macomb Hall Box 319A Plattsburgh, New York 12901 (BST)

"I finally got a TV for my room at Plattsburgh. I will describe my setup next month. Plattsburgh average reception: CBFT-2 Montreal VAPI 3544, WCAX-3 Burlington 5555, WPTZ-5 Plattsburgh 5555, CBMT-6 Montreal very poor, CHLT-7 Sherbrooke 3444, WMTQ-8 Mt Washington NH/Poland Springs NH 1333, CKST-9 Sherbrooke 2444, CFMT-10 Montreal -2-, CFPC-12 Montreal 1333, WNEP-22 Burlington 4555, WETK-33 Burlington 5555. Occasionally have gotten CIVM-17 Montreal, WVER-28 Rutland VT, UNID-20 (probably WVTB St Johnsbury VT), UNID-41 (probably WYTA Windsor)."

December
14 Tr UNID-2 NBC "probably WLBZ Bangor or WXTV Utica"
"Other surprises this month include my parents getting CATV. No channel 67 (WML). What happened? (They have financial problems and may be dark for good -bt) WHTB-68 Newark has news and stock market reports 12 noon - 4:30 p.m." (fix for logos, sked, and info on CATV in Seaford -bt)

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (BST)

<u>December</u>									
12 MS 0513	WLWD-2	Dayton OH		4 MS 0716	KJAC-4	Port Arthur TX			
14	0130+	many vy hvy bursts	2-6	0737	WHEP-4	Rock Island IL			
23 Es 1738	t/lm: UNID-2,3.	Got word that opening was up into FM band hours earlier.		0742	WRC-4	Washington DC			
	1758	KBTX-3	Bryan TX		0746	KMDX-4	St Louis MO		
	2300	WBUD-3	Tampa FL	5	0207	KTIV-4	Sioux City IA		
24 Tr 1800	Scranton & Utica U's way above normal all evening			6 Es 2304	UNID-2	hvy CCI to S.W.			
		WBBS-48	Philadelphia (270)	9	2300	UNID-2	brief to S.		
		WDCA-20	Washington (285)	10 Am 1622		Huge opening, really intense hash chs 2-13, easily visible on locals.			
		WAFB-22	CCI on CKN22			FM noisy all evening.			
		CTOC-24	Ottawa Ont (230)	11 Es 0320		Auroral-induced Es noted, UNID-2 & 5 to south			
27 Au 0230	UNID-2-13, weak highband			MS 0330	WTVY-4	Dothan AL			
28 Tr 0200	cx building to south & southwest: WSTV-9, WTAJ-10			Es 0330	WGBD-2	Charleston SC			
		WTAB-4, WIII-11	vy strong		0449	KSBP-4	Superior NE		
					0454	KWNB-6	Hayes Center NE		
				13 GW 1739	CICQ-28-28	Kitchener (80)			

January
4 MS 0200 many vy hvy bursts 2-6
0245 CKN2-2 Bancroft Ont (155)
(ant. S.W.-backscatter?)
0323 CBWFT-3 Winnipeg Man
0600 WJXT-4 Jacksonville FL
Es 1755 UNID-2,3 strong to south
1820 WDIQ-2 Dozier AL T
("Sesame St" to 1900)
1833 MUF ch 4, hvy CCI WBBM-4
1906 KTBS-3 Shreveport LA (nx)

The hash noted from the auroral disturbance on 1-10 was fierce; don't think I can remember the last time it got that heavy! All that auroral activity appeared to touch off the E-skip opening noted in wee hours of 1-11 with MUF noted to ch 6, no locals on the air, and fortunately, telethons on WGBD-2 and the Nebraska TV Network making IDs easy. Missed some good skip in the past weeks by being busy, but hoping for midwinter tropo.

CENTRAL TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, Wi.
54216

Deadline: 12th

So far this winter, Dec. has been the duller month yet. However, there was a bit of Es to break the monotony.

Frank Wheeler: 6589 Wattsburg Road, Erie, Pa. 16509 EST

12-23 Es 1300 KTWO-2 Wy. 3412(1322) 12-23 Es 1317 WKY-4 Ok. 3412(1040)
1301 KFDX-3 Tx. " (1114) 1318 KCKT-2 Ks. " (1015)
1312 WBRZ-2 La. " (1020) 1324 KTMW-2 Ok. 4433(943)

Dxing equipment includes: Archer VHF-UHF-FM Model WU-160 ant. with Archer Servo-Rotor. Log total now at: 259 with 210 verified.

Marvin Shultz: R.R.#1, Toulon, Il. 61483 CST

12-7 Tr 2340 WKY-32 Louisville, Ky. 12-23 Tr 1159 KUSD-2 Vermillion, S.D.
12-23 0859 KHIN-36 Red Oak, Ia. Es? 1201 Unid ch.2; "I Dream of
KSIN-27 Sioux City, Ia. Jeannie", also, NBC.
0900 KMEG-14 " " 12-26 Es 1830 KWGN-2 Denver; gone by
1900.

"I had no sign of KBIN-32 over KRIN-32 on December 23 as I had expected. Apparently there were not too many openings during December although I was busy working on tower and using stationary and hand rotatable antennas."

Donald B. Ruland: 4448 68th Place, Kenosha, Wi. 53140 CST

12-24 Tr 0930 WLKY-32 Louisville(330) 12-31 Tr 1630 WXXI-19 Cincinnati(300)
WUAB-43 Lorain(310) WCET-48 " "
12-31 Tr 0645 WJET-24 Erie(400) 1-4 Es 0930 WLHZ-2 Bangor(950) T
0700 WOSU-34 Columbus(320)

"Winter E-Skip was conspicuous by its absence here. I hope other dxers saw more than what's reported from Kenosha."

Paul Gaines: 15920 Puritan St., Detroit, Mi. 48227 EST

12-16 Tr WNDU-16, WANE-15, WNEO-45, 12-28 Tr 0247 CFTO-9 On. 1532(205)
WOSU-34, WEWS-5. 0255 WIIC-11 Pa. 1522(210)
12-22 Ms 0137 Unid-4, WSW 1012 0311 KDKA-2 Pa. 1122(")
Tr WLWC-4, WEWS-5, WANE-15, Columbus, Cleveland, Hamilton
WPTA-21, WKJG-33, WSJV-28, Kitchener, Erie, London,
WNDU-16, WUHQ-41, WLIO-35, Youngstown, Dayton, Battle
WOSU-34, WNTT-34. Creek, S. Bend stations.
12-23 Ms 0215 Unid-4; WSW NBC. 12-29 Tr 0211 CBLT-5 On. 1222(205)
12-24 Tr WOTV-8, WTVN-6, WEWS-5, 0231 WRTV-6 In. 1022(230)
WJW-8, WICU-12. Ms 0309 WCBS-2 N.Y. 3012(490)
0200 WIIC-11 Pa. 1122(210) Tr 0314 WBBM-2 Il. 1022(225)
0205 WTRF-7 W.Va. 1022(205) 0330 WGN-9 Il. " "
0217 WISN-12 Wi. " (245) Cleveland, Columbus, Ft.
Ms 0220 Unid-4, WSW Wayne, S. Bend, Youngstown,
Tr 0344 WGN-9 Il. 1122(225) Kitchener, Battle Creek,
0403 WBBM-2 Il. 1022(") Akron, Lima, Grand Rapids.
Ms 0409 WCBS-2 N.Y. 1012(490) 12-31 Tr 0041 WFLD-32 Il. 1522(225)
Tr WKYC-3, CKCO-13, WLWC-4, 0048 WSNS-44 Il. 1122(")
WZZM-13, WSET-22, WKJG-33, 0148 WRTV-6 In. 1022(230)
WYTV-33, WYTV-9, WNDU-16, 0152 WFTN-6 Oh. " (170)
WANE-15, WJET-24, WSJV-28, 0215 WLWI-13 In. 1522(230)
WUHQ-41. 0253 WIII-6 Wi. 1022(245)
0555 KDKA-2 Pa. 1122(210) 0308 WBBM-2 Il. " (225)
0658 CFTO-9 On. 1022(205) Ms 0404 WCBS-2 N.Y. 2213(490)
0940 WUTV-29 N.Y. " (215) Tr S. Bend, Kitchener, Ft. Wayne
WPTA-21, WOSU-34, WLIO-35, Akron, Lima, Youngstown,
WKBN-27, WLWD-2. Cleveland, Battle Creek,
12-25 Tr 0108 KDKA-2 Pa. 1022(210) Kalamazoo, Grand Rapids,
0116 WLWD-2 Oh. " (190) Columbus, Erie, London,
0120 WBBM-2 Il. " (225) Canton, Alliance stations.
12-27 Ms 0421 WCBS-2 N.Y. 2112(490) 0904 WPHG-53 Pa. 1022(210)
Tr WLWD-2, WLWC-4, WHIO-7, WNDU-16, 0932 WLFI-18 In. " (220)
WANE-15, WICU-12, WTVN-6, 1-1 Es 0125 Unid-3, NBC, WSW3521
WZZM-13, WYTV-33, WUHQ-41, Tr Grand Rapids, Paris, London
CKCO-13, WEWS-5, WKYC-3, (Ont., Ill.), Erie, Cleveland,
WOSU-34. Columbus, Ft. Wayne, S. Bend

Gaines; continued---

, Youngstown, Kalamazoo, Akron.
 1-2 Tr 0229 WIII-11 Pa. 1022(210)
 0230 WTRF-7 W.Va. " (205)
 0232 WRTV-6 In. " (230)
 Columbus, S.Bend, Ft. Wayne,
 Youngstown, Grand Rapids,
 Cleveland, Erie, Kalamazoo,
 Battle Creek stations. Also
 Dayton, Kitchener.

1-3 Ms 0421 WCBS-2 N.Y. 2312(490)
 (20 sec. burst; pics taken)
 0559 WNEW-5 N.Y. 1212(490)

1-4 Tr 0324 WBBM-2 Il. 1022(225)
 Ms 0455 WCBS-2 N.Y. 1012(490)
 Tr Cleveland, Columbus, Dayton,
 S.Bend.

1-5 Ms. 0127 Unidid-4, W.
 0217 " SW.

Tr 0241 WBBM-2 Il. 1022(225)
 Ms 0306 WCBS-2 N.Y. 1212(490)
 1-6 Tr Kitchener, London, Cleveland,
 Columbus, S.Bend, Battle
 Creek, Ft. Wayne, Youngstown,
 Akron, Erie, Grand Rapids,
 Lima, Dayton, Cadillac, Alliance.
 Tr 0148 WCPO-9 Oh. 1521(235)

1-6 Tr 0205 WTRF-7 W.Va. 1022(205)
 0210 WRTV-6 In. 1021(230)
 1-7 Tr 0148 " " 1022 "
 0204 WTRF-7 W.Va. " (205)
 0300 WITI-6 Wi. 1022(245)

1-7

&

1-8 Tr Cleveland, Grand Rapids, Battle
 Creek, S.Bend, Erie, Youngstown,
 Ft. Wayne, Kitchener, Columbus,
 Cadillac, Paris.

Paul sends along a list of his dxing
 equipment--wd :

"On roof of a four floor apartment bldg.
 (inside Detroit); CM-1161 VHF antenna,
 CM-4250-A Parabolic dish(6ft.) for UHF
 Tv's: Sony KV-1722 color; Admiral 12"
 SK-2197-P color; Panasonic 12" CT-21P;
 and G.E. TV sound radio.(sets are list-
 ed as to their use in dxing; e.i. sets
 2-4 are back-ups.--wd)
 Also, two Panasonic RO-309-S tape re-
 corders; Exakta 35mm camera on fixed
 tripod(German made).

Coaxial cable used for VHF;---also,
 CM-9512 rotor plus a CM tunable high
 "Q" trap for low-VHF and FM, CM #7008;
 and a Cadco AASA Sports Amplifier for
 ch. 3."

Rod Louma: 38540 Five Mile, Livonia, Mi. 48154 ESR

"Not an awful lot to report this time, having caught an Es opening on New
 Years Day, but no i.d.'s were seen. Also, Ms has been futile on the several
 occasions I tried it with bursts few and far between."

12-16 Tr 0553 KDKA-2 Pittsburgh, Pa. 1-1 Es 1320 Unid-3; NBC, SW.
 Ms 0558 WCBS-2 New York, N.Y. 1-6 Tr 0550 WBBM-2 Chicago, Il.
 Tr 0608 WLWD-2 Dayton, Oh.
 Ms 0623 Unid-2

0551 WLWD-2 Dayton, Oh.
 0553 KDKA-2 Pittsburgh, Pa.
 0554 WLWC-4 Columbus, Oh.

"In keeping with my suggestion describing equipment setups, here's mine from
 the top down. At 60' atop my KTV tower is a 6' CM dish feeding Belden Cell-
 uline 300 ohm lead in down to the receiver. At 50' is a CM Quantum #1111
 which delivers the microvolts via Belden No.8228 coax to a Winegard TV-FM
 band pass splitter. The FM signals rush to a Heathkit AR-29 receiver for
 demodulation while the TV signals minus considerable FM interference proceed
 towards the '69 Zenith 25" color set. However, enroute, the FM interference
 is attenuated about 20 db more by a Winegard T-FM7 bandpass trap. From the
 trap the signals may be processed in several manners before being delivered to
 the sets' tuner. The most common and effective processing involves amplifi-
 cation by a home built and tuneable 2 stage FET (Siliconix E-300) amplifier
 , one each for both low band and high band. These are contained in the empty
 portion of my previously built interdigital strip line preamplifier of sev-
 eral years ago. A switching arrangement allows selection of any of the three
 amps or a bypass mode which demonstrates the effectiveness of the amps.
 A matching transformer completes the 75 to 300 ohm transfer to the sets
 terminals. The FET preamps are really great, with the low band version hav-
 ing considerably more gain than the IPA(as one would suspect) and slightly
 better noise figure due to the lack of heavy filtering which the IPA employs.
 But the IPA does shine on ch.3 here with locals 2&4 blanking. The three stage
 input tuning and 3 stage output tuning cleans up the interference better and
 audio performance is much better apparently due to a flat topped and steep
 sided response which the FET circuits don't provide. Staggered tuning of the
 IPA is also a factor here. Oh yes, UHF gets a boost from a Blonder-Tongue
 BTU-2s convertor which has numerous calibration marks on its circular tuning
 dial enabling accurate channel number identification.(I don't have the luxury
 of detent). The convertor also has better weak signal performance than the
 sets' own tuner and images are less bothersome. Some image attenuation is
 accomplished with a Winegard UT-23 tuneable UHF trap; about 18 db when both
 sections are tuned to the same frequency or about 12 db per section if tuned
 separately. Tuning is really touchy!

Louma; continued---

Two projects are in mind for the upcoming season, the first being replacing the UHF lead-in with open wire line which has lower loss. The second is the addition of another VHF antenna to be employed with a phasing system for cancellation of local signals during Ls sessions. The quantum can almost pull them through by itself, but needs just a little help which I hope I can provide.

Jim Gould; R.R.#3, Kokomo, In. (317)-452-9585 EST 46901

12-6 Tr 1420 KOLR-10 Mo. 4531(445)	12-16 Tr 0735 WMAA-29 Ms. 0335(620)
2100 KMTC-27 Mo. 4534 "	0835 WBMG-42 Al. 2524(490)
2150 KBMA-41 Mo. 3523(458)	(cc1 from WEIQ-42)
2200 KCPT-19 Mo. 4521 "	0839 WTCI-45 Tn. 2525(385)
2220 WWVU-24 W.Va. 4523(332)	0845 WHMA-40 Al. 3525(482)
2250 KTSB-27 Ks. 2423(510)	0900 WFIQ-36 Al. 3535(405)
2305 KHCQ-13 Mo. 4531(356)	0905 WLOS-13 N.C. under WLWI
2320 KHIN-36 Ia. 3525(473)	0920 WBIQ-10 Al. 4533(490)
2341 WFFF-45 Md. 1411(508)	1000 WUNF-33 N.C. 4531(402)
12-7 Tr 0117 KTVJ-16 Mo. 3535(515)	12-21 Es 1705 Unid-2, minus offset.
0113 KODE-12 Mo. 3523 "	12-23 Tr 0022 WAAV-31 Al. 2522(410)
0155 KCBJ-17 Mo. 5534(348)	(overslept)
0745 WDCA-20 D.C. 2420(492)T	0947 KGIN-11 Ia. 3512(390)
0803 KTVH-12 Ks. 4533(660)	0949 KGIN-27 Ia. 3513(540)
0815 Topeka, K.C., Springfield	1030 KROC-10 Mn. 2412(396)
1330 WUTV-29 N.Y. 2512(404)	Es 1230 KID-3 Idaho Falls(1330)
KTSB-27, KMTC-27, KOLR-10	1312 KFSM-5 Fort Smith, Ar.
all snow free.	1320 KFDX-3 Wichita Falls
1700 KTSB-27, KTWU-11, KMBC-9,	1329 WKY-4 Oklahoma City
KBMA-41 all snow free.	1330 KOCO-5 " "
1710 KZ6CA Mo. 1425(364)	1421 ICR-2 Havana T
12-8 Tr 0805 WMAA-29 Ms. 2525(620)	12-24 Tr 0116 KGIN-27 Ia. 3533(540)
0810 WAPT-16 Tent.	KMEG-14 Ia. 2535 "
WRBT-33 "	0825 KROC-10 Mn. 3534(396)
0825 WJTV-12 Ms. 5531(620)	12-31 Tr 1400 Cleveland U's, Erie U
0840 Huntsville U's(410)	's, W26AA,
0915 KDOG-26 Tx. 0225(910)	1500 WBRB-28 Wilkes-Barre
1000 WTVV-9 Ms. 5521(464)	
Opening produced ccl from	
WRBT-33, and tent. WGNO-26,	
at 0945; KDOG peaked at 1030.	
12-11 Ms 0648 KALB-5 Alexandria(735)	
12-14 Tr & Ms unided to Canada from	
0400 to 0445.	
0629 CKCO-13 On. 1515(350)	
12-16 Tr 0700 WHNT-19 Al. 3522(410)	
WAAV-31 Al. 2525 "	
0701 WTCG-17 Ga. 1315(485)T	
0705 WMSL-48 Al. 2525(410)	
0728 WMAV-18 Ms. 2534(472)	

rac solid state audio video receiver fed to an old RCA New Vista 23" tv that is used as a monitor. Modifications include ripping out Conrac works and replacing with a Heathkit GR-2000 i.f. board. GR-2000 a.g.c. board, home brew i.f. preamp that contains another Heathkit GR-2000 band pass filter, more gain, and a wideband a.g.c. detector that detects strong adjacent channel signals and reduces r.f. (tuner) gain to eliminate cross-modulation and eliminate adjacent channel interference from locals. Split audio, using a modified auto radio f.m. board, tuned to approx. 41mhz, and taking its input from the tuner i.f. output. I.f. bandwidth reduced from 200kc to 50kc for better quieting. Inter-carrier audio is available, but rarely used, especially during dx conditions."

William C. Draeb; Ellis St., Rt.#2, Kewaunee, Wi. 54216 CST (414)-388-2350

12-21 Tr 1733 KINL-30 St. Louis(432)	12-22 Tr 2032 KGIN-27 Sioux City(463)
1950 WKYT-27 Lexington(473)	KVFD-21 Ft. Dodge(365)
12-22 Tr 0445 WCPQ-9 Cincinnati(400)	2051 KXNE-19 Norfolk(525)
WKRC-12 " "	2054 KXNE-29 Hastings(617)
WHAS-11 Louisville(437)	12-23 Tr 1230 WOSU-34 Columbus(395)
0447 WHIO-7 Dayton(368)	1235 WMUL-33 Huntington(498)
Ms 0431 IHTP-7; SE	1935 WKYT-27 Lexington(473)
Tr 2032 KHIN-36 Red Oak(457)	(Continued next month-----73's Bill)

[Pat Jyer, concluded]

A somewhat late-peaking winter Es season. The Geminids and Quadrantids not as productive with IDs as past few years. Good trop of Dec 31 - Jan 1 was short-lived. Statistically, 1975 TV Es was down 10-15% from the levels of 1974. 73, WA5IYX.

Richard Noel Allen, Billings, Oklahoma 74630

(1 Dec - 5 Jan)

(CST)

Receiver: Sony TV115

Antennas: 11-element VHF log at 15 feet and 44-element UHF log at 25 feet

6 Es 1900 Mexico City area	0655 WNAV 18 MS	22 Es 1905 unids 2 Mexico
MUF 92 MHz+	0656 WMAO 23 MS N	3 Es 1814 unids 2 Mexico
8 tr 0647 WYEA 38 GA N	0656 WMAA 29 MS N	5 GW 1800 KTVY 4 OK City
0650 WAPT 16 MS	0657 WRBT 33 LA	(new call, formerly
0650 s.e. 19 (CBS Morn.	0658 WYEA 38 GA	WKY-TV, owned by
Nx, EST schedule)	0659 s.e. 40 s/on	Detroit Evening
0650 KLAA 14 LA	0700 WMAW 14 MS M	News)
0655 WMAV 17 MS N	0700 s.e. 42 children's program	

John Ebeling, 9209 Vincent Ave South, Bloomington, Minnesota 55431 (-to early Jan) (CST)

Just a few lines to let you know that there was a little Es up here in the frozen north on Jan 1. At 11:40 AM, ch 2 had ABC and ch 3 CBS, no IDs. 12 noon on 2 produced a fair ID from WDIQ Dozier, Alabama. Es faded out shortly thereafter. I first tuned in at 11:30 AM, but I don't know just when it started. This was on 25" 1975 Zenith connected to outside Channel Master Crossfire #3613.

On Jan 6 11:20 to 11:40 PM, KTVQ 2 Billings, MT was in with heavy fading. Good ID at 11:30, when local nx over and Carson Show began. Also had a little on ch 3 but was weak. This DX was on 1967 25" Zenith color fed by attic-mounted LPV (10-element, permanently mounted n.n.e.). This older set is down in the basement near the FM DX equipment and most of my TV DX loggings are made with it.

It may be of interest that our local KTCA-TV 2 is on the air until apx 3:30 AM CST Monday mornings. They run old movies starting at 11:30 Sunday evenings (1930 era movies titled "Flick on 2") and then go into the Monty Python series at 3 AM. Should be a good chance for any MS DXers as there can't be too many other stations on at that time.

If helpful, here is TV DX noted this past year while primarily engaged in my normal FM DXing. I do use TV quite often as an indicator for FM DX as KTCA-2 is an educational station and sign-on is around 4 PM in the summer.

May 27 WSJK- 2 TN	KTVQ 2 MT	WATE- 6 TN	26 KOAI 2 AZ
28 WGR - 2 NY	June 1 WGBH- 2 MA	22 KIII 3 TX	Jul 21 CPAC- 2 Alta
30 KREM- 2 WA	WGBS- 2 NY	25 CPCL- 2 Ont	WSIR- 3 NY
KID - 3 ID	18 KUTV 2 UT	WKTV 2 NY	

No Es tonight (7th)—just cold! -18° this morning, -25° due tomorrow morning. 73's.

John Anderson, Box 186, Lowe Farm, Manitoba ROG 1B0 2Q4 746-8887 (25May - 1Dec) (CDT,CST)

This is my first report. I am located on a farm apx 40 land miles s.w. of Winnipeg, Manitoba's largest city and capital. Lowe Farm, a "bustling village" of 300, is about 3½ miles from here. All local stations here (3,6,7,9) are from Winnipeg. Two semi-locals (2,8) are from Grand Forks, ND (99 mi) and two other semi-locals are from Fargo, ND (411) (170 mi). Under deadband conditions, signals from Grand Forks come in fair-good (except for CCI from local 7 & 9 on 8) and signals from Fargo are fair-poor. No UHF's near here; nearest UHF is at Aberdeen, SD (275 mi). I've been toying with idea of putting up a Radio Shack corner reflector at about 25 feet to see what comes in "tropo-wise" but don't know if it would be worth the trouble. (Yes—it would be worth it, even just for occasional UHF DX—the novelty of that first UHF logging would be worth the effort. dps)

And now, my loggings. Equipment includes 25-element "Dumont" (Superior) VHF antenna at 35 feet, Channel Master 0059 antenna amp, Alliance T-45 rotator, older model (early 1960's) 21" Philco TV. As noted, most loggings are new.

M25 Es 2000 WBAV- 2 WI N 550	1001 KASY- 9 SD N 175	1400-1430CFRN-3Altan765
J26 Es 1100 WLD 2 OH N 927	2000 KCMT 7 MN N 255	1430 unId- 2 (sat.of
(Installed present antennas;	(strong-over local 7)	CBXT 5 Edmonton)
past DX w/rab.ears & ch8yagi)	2100 KACM-10 MN N 295	25 tr 0800 CKCK- 2 Sask N 342
J11 Es 1430 KOAA 5 CO N 846	21 Es 1030 KACN 2 CO N 765	0830 CKXX-11 Man N 170
7 Es 0100 CBFT 2 Que N1127	1100 W- 4 WY (N)765	Foxwarren (sat.of
0200 CBTE 4 NWT N 990	JacksonHole- call??	CKX-5 Brandon)
Fine Point	1130 ETWO- 2 WY N 625	Ag2Es 1200 KBGI- 2 ID 986
12 Es 2000 KMID- 2 TX (WGN)1233	1200 KREM- 2 WA N 943	1400 KATU 2 OR 1220
2100 WGR - 2 NY N1000	1205 KALY- 4 WA N 943	5 Es 1700 WKY - 4 OK 958
14 tr 1000 KFYY- 5 ND N 240	22 Es 1200-1300CFAC-2Altan757	1730 KOCO- 5 OK 958

(Ag5Es) 1800 KMCL- 4 TX 1380 16 Es 2330 KALD 4 ID 985 25 tr 1000 KXMG-13 ND N 200
 (most distant so far) 2400 KBOI- 2 ID 985 1000 KMOT-10 ND N 200
 1830 KARK- 4 AR 1045 23 tr 1100 KUSD- 2 SD N 455 1030 KDIX- 2 ND N 305
 1831 KETS- 2 AR 1045 1101 KTSD-10 SD N 370 S2 tr 1800 KXMB-12 ND N 240
 8 Es 0930 WLDW 2 OH 927 1130 KORN- 5 SD N 392 M2 Es 2200 WGR- 2 NY 1000
 1200 KSL- 5 UT N 930 1130 KTIV 4 IA N 470 2200 WKTU 2 NY 1140
 1230 KUTV 2 UT N 930 1132 KCEF- 9 IA N 470 9 Es 2200 WJJK- 2 TN 1150
 2130 KTVI 2 MO N 824 (most dist. tr. so far) 12 Es 2300 WTWO 2 IN N 830
 2200 KTEW 2 OK N 918 24(tr) 0000 WDIO 10 MN N 300 20 MS 0000 KWGN 2 CO 765
 9 Es 1000 KOAI 2 AZ N1215 0030 KNMT 12 MN N 200 (first MS catch!)
 2000 WKTU 2 NY 1140 0100 WTCN 11 MN N 360 23 tr 0200 KDLO- 3 SD N 255
 10 Es 1200 WJJK- 2 TN N1150 0100 WIRT-12 MN N 242 28 au 0130-0200 2-4 unids
 1230 WMAA- 2 MS N1185 0130 KSPT-13 SD N 405 0200 WBAY- 2 WI 550
 1300 KETS 2 AR(s/on) 1045 0200 KDAL- 3 MN N 300 (first aurora catch!)
 (interf-free, no fading 0205 KTCA 2 MN N 360 D1 MS 0000 WTWO 2 IN 830
 like local-fantastic) 0230 KSTP- 5 MN N 360 (strong-15sec.-BearcatScan-
 ners ad, clear Id; best MS yet)

Clearly, my best day for tropo was Aug 23, with logging of 13 new stations. August was also a great Es month, the highlight being the most distant Es received here so far. The November E-skip openings were quite a surprise; I didn't know that Es occurred that late in the year. (Yes—besides the summer Es peak, there is a smaller winter peak—and an occasional solar disturbance can contribute to Es at other times such as in March, dps) I hope to pull in more via aurora, even though at times it seems almost hopeless; any ideas on how to DX the "lights"? (AM signals via aurora DX seem to be quite jumbled, while FM doesn't get quite as scrambled. Video signals, being AM, have this problem, but TV audio and 88-108 audio, being FM, fare somewhat better. Unfortunately for DXing, any video-signal interference will show up on the audio of a TV receiver because of the set's intercarrier-sound circuitry [audio made a subcarrier of the video in the set]. An extra stable signal fed into the TV set [from a signal generator or SW or FM set] will stabilize video circuit and make audio more clear, or one can use a separate TV audio receiver, dps) Log totals as of Dec 1: Es 30, tropo 24, total 54 stations. (Thank you for your first great report, John. John's report should have been in last month as he mailed it 8 Dec, but it took 9 days to get here. dps)

Fred McCormack, Des Lacs, North Dakota 58733

(Dec - 3 Jan)

(CST)

*22 Es 1104 unid NBC 1825 KPRC- 2 Houston TX 3433R1310
 23 Es 1620 WBTU 3 Charlotte NC 3334R1385 1829 KBTX 3 Bryan TX 3033"1240
 1625 CBXAT2-2 HighPrairieAlta3433" 800 1859 KDFW- 4 Dallas TX 3035"1090
 1658 WUNC- 4 Chapel Hill NC 3325N1425 *1 Es 1029 WLEB 3 Jackson MS 3333N
 1757 WMC- 5 Memphis TN 3334R1075 1030 WMAA 2 StateCollege MS 3232N
 1759 WREC- 3 Chattanooga TN 4434"1075 1059 WBRZ 2 Baton Rouge LA 3334R1175
 (* - DX from Fargo, ND) A good ending to 1975 with Es. Skip was fluctuating in strength and MUF quite a bit and on the 23 reached FM occasionally for brief times. I was surprised to find skip from two directions at 1625. Best of DX in 1976.

Patrick Martin, PO Box 149, Warrenton, Oregon 97146

(December)

(PST)

I thought I would send in a new report as I have heard a few new things. I made a couple of mistakes last time which I want to explain, too.
 Receiver: Philco 23" B&W console. Boosters: tunable 2-13 TV booster; Channel Master TV/FM booster. Antennas: Channel 3, four-element and TV cable.
 4 MS WKAQ 2 San Juan PR? (Not stn received as earlier thought; got letter from WKAQ saying it wasn't them—who signs on w/ "HANQUA" and large "2" and [I think] a "WK"? call under loco?)
 6 tr 0230 KRON- 4 San Francisco CA (Special and spot)
 12 MS 0259 KUTV 2 Salt Lake UT (Wx stn—not KBCI Boise as reported earlier; caught Id, received card verie)
 13 MS 0458 KTWO- 2 Casper WY (S/on TP, snowfree for apx 10 sec; verie received)
 0459 KUTV 2 UT (This is really a regular about every night when KATU off)
 16 tr 2358 KEZI 9 Eugene OR (Spot; quite snowy, vy poor sound, in for apx 1/2 hour)
 17 tr 0005 KVAL-13 Eugene OR (Variety show [Carson?]; weaker than KEZI)
 0020 KCBY 11 Coos Bay OR? (// KEZI; sat. of KEZI; poor signal)
 Good DX and I hope you had a Merry Xmas and the best in '76!....

Frank Aden, Jr., 1535 NW Ithaca Avenue, Bend, Oregon 97701

(29 Oct - 27 Dec) (PST)

Some DX here at last. I have idled my ch. 4 to the south as KJLB, a translator of KOB 5 Medford. I've also seen a ch 5 to the n.e. in many early evenings but haven't gotten any information yet on who it is—possibly a translator. I had a short E opening on 26th of November: 1900 KTVB 3, 1905 KWGN 2, 1910 KCA-4, 1915 KOAA 5, all Colorado. It died out about 2100 but after 1930 was weak and only on ch. 2. KOMO-4 WA and KOB 5 OR have been seen almost every day I have been home. On Nov 28th I saw a few MS bursts on ch. 11. I was very surprised as I had never seen an MS above ch. 6. I checked other channels above 6 but didn't see anything. Most bursts occurred after the cable was turned off; they were from the south. KATV 2 is rebroadcast on ch 11 cable but at sign-off the cable company turns the ch-11 booster off. I did get some tropo finally from Idaho, Boise area. KIVI 6 had very strong audio signal at 1715 on Dec 21. KAID was heard later at 1745 with almost as strong signal. Video was very weak for both stations. I am now watching for KTVB 7 and KBCI 2 Boise. 73's.

Steven C. Hiseblood, 707 Loma Way, Santa Maria, California 93454

(23 Nov - 11 Jan) (PST)

23 Es 0945 s.e. 2 0kHz to KXKT	26 Es 1706 s.e. 2 (with thruve)	7 Es 1843 unids 2 s.e.
2010 n.e. 2 unid	J2 Es 1458 KREM- 2 WA 899	1849 unid 4
2103 unid 2 begin FBI	1503 Canada? (M. Griffin)	1858 KMID- 2 TX 1066
2111 KTVQ 2 BillingsMT	("CFACCcountry, TV&Radio")	1925 KOAA 5 (Id1958) 900
26 Es 1600 XHI-? 2 s.e.-0 kHz	1510 nne? 4 movie	1939 KOA - 4 00 T 905
1952 XHCH? 2 s.e.-10kHz	1525 CFAC- 2 Alta 1160	1939 KRMA 6 00 T 905
D2 Es 1835 unid 2 east	("CFACCcountry, TV&Radio")	(20kHz to KSBY)
1905 KWGN 2 CO T 905	1600 CHBC- 2 KelownaBC	1944 KWGN 2 00 905
13 MS 0827 KIRO- 7 WA N 880	("OkanaganTV") 1034	(2000 begin BignX)
(mylst ch7 by MSI)	3 Es 1910 unids 2 4 n.e.	2006 KTVY 4 OK 1281
22 Es 1203 east 4 (All in Fam.)	1920 KMID- 2 TX 1066	(local nx)
1308 s.e. 2 Mexico?	(Big-2 Id o/unid SS)	2006 KOCO- 5 OK T1281
1440 unid 2 SS-Mexico	2143 unid 2 n.e.	2013: MUF to 96.9
1501 KMID- 2 TX 1066	2214 KTWO- 2 WY T 935	8 Es 1705 s.e. 2 Mex "Canal 5"
(promo for Big-2Nx)	(The Rookies)	1707 s.e. 4 unid
1633 KWAB 4 TX 1094	4 Es 1117 n.e. 2 Mexico-SS	10 Es 1839 s.e. 2 unids
23 Es 1133 unid 2 east	2 Es 1740 unids 2 s.e.	(various offsets
1159 KMID- 2 TX T1094	1750 unid 2 e.s.e.	throughout evening)

A fantastic amount of winter Es in early January; it could mean another early summer Es season as in 1974 when it began in mid-April and lasted until early September. Last year was a very unusual winter season with Es from October through December and then more Es late Jan through mid-Feb. Winter tropo hasn't been exceptionally good here; the rainy season has been very dry with less than 1 1/2" of rain since June 1975. We have a drought here and many freezes at night, as low as 20°F, recorded on Jan 2nd. On Jan 2 our 13-yr-old poodle suffered a heart attack and died. We have another 6-yr-old poodle. Temperature today is a pleasant 60°. 73's for now—expect Es season to start early/mid-April, though no one can be certain as to exact dates, it will start before May 10th.

Jim Pizzi, 300 Park, Orcutt, California 93454

(5 Oct - 7 Jan) (PST)

Equipment: 18" Zenith color, 12" Panasonic color, 12" Panasonic B&W, 9" Sony B&W

05 tr 0001 KTVU 2 CA 3353R	23 Es 1102 KCKT 2 KS	2013 KQTV 2 MO (nx)
0106 KCRA-3 (s/off 2345)	unids 2 1/4, f/out	2019 KCKT 2 KS (wx)
D2 Es 0920 unids 2 1/4 s.e.s.	J2 Es 1405 north 2 t/in	2026 unid 2 (SS)
1000 KMID- 2 (gone 1045)	(1420 disc. Alaska Hwy fatalities; KENI AK tent.)	6 Es 1619 KMID- 2 TX (sports)
1900 KWGN 2 CO	1430 KREM- 2 WA	KWAB 4 TX (sports)
1900 KOA - 4 CO	1430 KXJY- 4 WA	KACB 3 TX (WldKgdM)
4 tr 2300 KGC - 7 CA (on	1600 CHBC- 2 KelownaBC	unid 2 (SS-cartoon)
KQED 9 CA ch-2	(inty itself until 1645)	7 Es 1932 KWGN 2 (basketball)
KSEW- 8 CA yagi)	3 Es 1730 XHCH? 2 (t/in)	1940 unid 3 (Cannon)
22 Es 1145 east 4 1/5 (t/in;	(nx-woman ancr)	1955 unid 2 (MteCristo)
(uncable, rx/0m1SE of Orcutt)	1740 XHIT? 2 9nx-man)	2000 KTVU 4 OK City
(below on home ants:)	1742 unid 5 (CCI)	2002 unid 5 (CGI)
1505 east 2 1/4 weak	1901 KMID? 2 (NBQ movie)	2015 KCKT 2 KS
1622 KMID- 2 TX 5555R	1959 KTEM 2 OK	2020 KSNB 4 NE (KS nx)
1659 KENTW 3 PortalesNM	2008 WDAF- 4 MO (KC wx)W	2022 KARD- 3 KS (wx)
(under KEYT)	2009 east 5	MUF up to 95.7
2001 KTWO- 2 WY weak		tr 2300 KGC - 7 CA (ch-2
MUF up to 95.7		KQED 9 CA yagi)

Best of DX to all

Dennis



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 10th of month

FEBRUARY 1976

Henk Holbrook, 7211 Chestnut St., Chevy Chase, MD 20915 QSLed, GMT

<u>9-21</u>	0124,	134.0	vic Phil, (Aeromexico 432; DC8-51, 16,500 ft)
<u>10-17</u>	2115, N300BD	118.3	Bal-DC (Becton Dickinson & Company; Mitsubishi MU2-G; 15 watts)
	2135, N3297Y	118.3	10 mi se DC (Frederick J. Seufert; Cessna 210D, 1-engine, 2-seat; 15 watts)
	2137, N3184L	118.3	vic DC (Jet America, Inc.; Cessna 310; 3000')
<u>18</u>	0052, N711AS	118.3	5 mi ne Wash Ntl Apt (Suburban Airlines; DeHavilland Twin Otter, DHC6; 3000 ft; 12 w)
	1704, N4639Q	127.2	nr Damascus, MD (Herman Sommer; Cessna 210; 1-engine, 2-seat; 7500 feet; 15 watts)
	2312, N6756W	119.7	ov Annapolis (Phil Gardener Aircraft; Piper Cherokee PA-28-140-4; 1-e, 4-s; 2000')
<u>19</u>	1552, N4474P	127.5	3 mi e Bloody Pt-Kent Is., MD (Peachtree Beechcraft Inc.; Piper Apache, 2-e, 5-s; 500')
<u>11-1</u>	2115, N8211R	119.7	ov Annapolis (Dr. William Benjamin; Bellanca 13-71A; 1-engine, 4-seat)

Now, my loggings. Allied A-2586, Hallicrafters SX-62, Hammarlund SP-600-JX10 (with ICM BAX-1 tuned preamp); 30' long wires at 12', ne-sw and nw-se runs; all Es unless noted; * F2, with peak noted; bs-backscatter; new underlined; GMT used

<u>12-15</u>	1702, 32.96 *	<u>24</u>	1857, KFL 943	<u>1</u>	2139, KME 438
<u>17</u>	0153, KOE 257	<u>26</u>	2313, KQC 877	<u>5</u>	1702, KIF 651
<u>19</u>	0042, KQC 884		2342, KAA 893		1729, KAA 893
<u>20</u>	0147, KMA 829		2345, KOE 257	<u>6</u>	1625, KGA 805
<u>22</u>	1905, OK City	<u>27</u>	1748, KME 438		1903, KMA 829
<u>23</u>	0255, KME 438	<u>28</u>	2014, KME 438	<u>8</u>	0335, KFL 936
	0409, KOE 257	<u>30</u>	1845, KME 438	<u>10</u>	2015, KKI 445 bs
	0524, KFL 943		2045, 35.28 *		2040, 37.14 *
	1616, KQC 884	<u>31</u>	2100, KGA 805		2122, 35 US *
<u>24</u>	1705, KMA 829	<u>1-1</u>	0220, KMA 829		2131, KRZ 270 *
	1729, KME 438		2115, "		2142, KCA 695 *
	1855, KIF 651		2125, KFL 936		(best since 11-17)

KAA 893	35.22	St. Louis, MO	KMA 829	35.58	San Diego, CA
KCA 695	33.78	Manchester, NH-f	KME 438	35.22	Orange, CA
KFL 936	35.58	(west)	KOE 257	35.22	Phoenix, AZ
KFL 943	35.58	Las Vegas, NV *	KQC 877	35.58	Cincinnati, OH
KGA 805	35.22	Pittsburgh, PA	KRZ 270	35.90	Fenton, NY-f
KIF 651	35.58	Pt Lauderdale, FL	KQC 884	35.58	Detroit, MI
KKI 445	35.58	Houston, TX	-	35.58	OK City, OK **

f-fire; rest are tone pagers except, ** voice, and * tone message with voice ID

Solar flux/A-Index for December 1975 -

<u>1</u>	74/30;	<u>2</u>	77/20;	<u>3</u>	77/12;	<u>4</u>	76/14;	<u>5</u>	80/7;	<u>6</u>	78/7;	<u>7</u>	76/3;
<u>8</u>	78/13;	<u>9</u>	76/13;	<u>10</u>	76/5;	<u>11</u>	77/4;	<u>12</u>	76/3;	<u>13</u>	75/2;	<u>14</u>	74/4;
<u>15</u>	74/6;	<u>16</u>	73/11;	<u>17</u>	73/4;	<u>18</u>	72/5;	<u>19</u>	71/3;	<u>20</u>	72/3;	<u>21</u>	71/6;
<u>22</u>	71/8;	<u>23</u>	72/5;	<u>24</u>	74/2;	<u>25</u>	73/15;	<u>26</u>	74/30;	<u>27</u>	75/24;		
<u>28</u>	74/11;	<u>29</u>	75/12;	<u>30</u>	74/10;	<u>31</u>	75/5						

Avg.: 74.6

73. Pat WA5IYY

SOUTHERN FM-DX

Charles Winters
7 Parsons Drive
Beverly, Mass. 01915
1-617-922-6721

After a one month's abstinence, this column returns full-blast with a report from Hank Holbrook. What do you guys do down South all year long or do I dare ask?? By the last membership list that I got - 27% of the members of WIFDA are from the Southern States, yet of the last three months I have heard from only five of you. Correct me if I'm wrong guys but 27% of 351 is 94.77. Now, while we can do without the .77 person we can not succeed without the 94. Even if I had just 8 reports a month, it would only be 96 reports for the year. Only a fraction ahead of 1 per person per year. Real tough, huh guys?

Hank Holbrook 7211 Chestnut Street Chevy Chase, Maryland 20015

"FM DXing from out at our cottage at Fair Haven Cliffs, Maryland overlooking the Herring & Chesapeake Bays - 15 miles below Annapolis. We now have a new rotor set up and we pulled in 4 new ones in November. Following stations were logged and reported since my last report to this column (underlined have verified).

102.9 WMCK Philadelphia, Pa.	120mi.	11/1/75 12:50-1:25 PM	Form letter verie x-WPER "Majic Mus."
89.3 Binghamton, N.Y. (WSKG) (send reports to Box 97 ENDWELL, N.Y. 13760)	230mi.	11/2 0828-0920 AM (42.7kw)	Nice letter. News, Wx & Clas. Music
89.3 WVWR Roanoke, Virginia	220mi.	11/29 7:20 PM-8:05 PM	Swing from 30's-40's Still waiting verie.
101.7 WKWI Kilmarnock, Virginia	70mi.	11/30 0701-0731 AM	Pop tunes & plenty of ads. Nice verie on letter.

So the verie total now stands at 746 stations from 34 states and Ont., Que., Man., Bermuda, Cuba and Puerto Rico. Hope that everyone had a fine Christmas season and that there's a plenty DX for everyone in '76. (and reports-cw)

73, C.Winters.

WIFDA MAILBOX (continued from page 4)

This in from Bill Coleman, Jr. (114 Circle Dr., Rocky Mount, NC 27801): I am in bad need of a schematic diagram of a Bendix Aviation Corp. Model 847S field test receiver. It's about 20 years old and I wrote to Bendix and they didn't know about this one at all. No info! They don't make commercial radios anymore. If anyone so happens to have a schematic diagram of this, I would like to borrow and make xerox copy. Promise to return."

I'm not sure if Dave Janowiak has already answered this question by Roy Barstow (70 Heritage Circle, Teaticket, MA 02536), but even if he has, I'll put it here just in case any of you might have further suggestions for Roy. He writes, "I want to ask you a question that may sound dumb, but I can not find any clear cut information on grounding my antenna system. I have a 70' tower and for a ground for that I have some 14 guage wire wrapped around 2 of the legs (near the bottom of the tower) scraped and sanded and taped on. The end of the wire going to the ground rod 5' in the ground. Does this seem OK?? Now for my transmission line (.500 CATV coax) coming from the tower to the house. At the entrance to the house I scraped off the rubber and wrapped wire around the aluminum shield and ran this to a ground rod sunk in the earth. Is this the correct procedure?? If anyone can answer my questions it would be appreciated."

And that's the ball game, sports fans! That's the longest Mailbox I've had to edit, no doubt. If you have any news to share with the members, just drop it on along to me. Till next time, 73.....jz

WESTERN FM-DX

Steven C. Wiseblood
707 Loma Way
Santa Maria, CA 93454
Deadline: 4/15, 5/12

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228 (CST) (7 Dec- 7 Jan)

Equipment: Allied 426; Hallcrafters SX-62 w/International Crystal model SAX-1 preamp;
Archer V-100 TV/FM antenna at 20ft w/rotor.

22 Es 1343 KPDS? 94.1 CA San Diego, CI 1120
KLRO? 94.9 CA San Diego, rel 1120
1349 KALJ 95.1 AZ Yuma, ad 970
1351 KPRI 106.5 CA San Diego, RR, ID
1359 KMEQ 96.9 AZ Phoenix, ID, wx 835
KBAS 95.9 AZ Lake Havasu, caw
1405 KHQS? 95.7 BCN Tijuana 1100
KILA 95.5 NV Henderson, nx 1040
1412 KGB 101.5 CA San Diego, ad 1120
1418 KDIG 98.1 CA San Diego, RR 1120
1420 KITT? 105.3 CA San Diego 1120
1428 KCOZ 103.7 CA San Diego, caw
KJOI 98.7 CA Los Angeles, EL, ID
1429 KPOL 93.9 CA Los Angeles, ad, ID
1430 KFSQ 96.3 CA Los Angeles, rel.
1445 KHVG 103.3 BCN Mexicali, ad 1040
1448 KYYX 96.5 CA San Diego, EL, ID
1451 KPMB- 100.7 CA San Diego, RR, PSA
KREL7 99.1 CA Riverside, rel.
1453 KKOS 95.9 CA Carlsbad, PSA 1125
1459 KNOB 97.9 CA Long Beach, EL 1180

22 Es 1504 KSDS 88.3 CA San Diego, nx 1120
1509 KALJ 95.1 AZ Yuma 970
1528 KNAC 105.5 CA Long Beach, ad 1180
KWT? 105.9 CA Los Angeles 1190
1536 KOLA? 99.9 CA San Bernardino, RR
1540 KHAY? 100.7 CA Ventura, caw 1250
1547 KPFK? 90.7 CA Los Angeles 1190
KMET? 94.7 CA Los Angeles, RR
KLOS? 95.5 CA Los Angeles, RR
1630 KBYU 88.9 UT Provo, ID, CI 1045
KUTR? 90.1 UT Salt Lake City, CI
1638 KAIL? 94.1 UT Salt Lake City, EL
1647 KCFX 98.7 UT Salt Lake City, RR
23 Es 1216 unID 88.1 briefly
3 Es 2030 KALJ 95.1 AZ Yuma, ID 970
2038 KOOL 94.5 AZ Phoenix, ID, RR 835
all very spotty
2154 KBYU? 88.9 UT Provo, CI 1045
4 Es 1102 KBYU? 88.9 UT Provo, CI 1045
1150 KALL? 94.1 UT Salt Lake City, EL
1200 KCFX- 98.7 UT Salt Lake City, RR

Winter Es season peaking a little late, Dec. 22 opening was the best since Aug. 14th.

Geminid and Quadrantid meteor showers not as useful as in past years for FM ID's.

Statistically, 1975 FM Es down about 20% from the 1974 levels here. (Same here- sw)

73, Pat WA5IIX

Steven C. Wiseblood, 707 Loma Way, Santa Maria CA 93454 (PST) (17 Dec- 17 Jan)

Equipment: Pioneer SM-Q300B, FM-40 @ 15ft, Symphonic P1513 & revr.

1/7 Es 1925 KBLJ? 92.1 La Junta, CO. caw 948
2010 KOSU 91.7 Stillwater, OK. ID, Promo. for program guide. 1305
2013 KCRG? 96.9 Enid, OK. EL 1252
2025 KECB? 94.7 Oklahoma City, OK. caw 1281
1/11 Es 1810 KPQX 92.5 Havre, MT. begin "QX" Montana nx., PSA. 1090

A large amount of TV&FM Es in early January, much like 1974. One new station by Es seen here in January, bringing FM Totals up to 352 stations, 209 by Es, 18 states.

Notice the new deadlines, I plan to keep the deadline as the 15th of the month between October-April. Sept & May will have deadlines of the 12th, June-Aug will retain the 10th as deadlines.

73, and welcome to Clarke as the new head editor.

(Thanks, Steve -CWI)

DON'T MISS THIS YEAR'S
WTFDA
CONVENTION!
DETAILS NEXT
MONTH!



PHOTO-NEWS

Jim Alexander
Canisius College
Box 2 - Bosch Hall
Buffalo NY 14208

February 1976

32
WLKY-TV
Louisville, Ky.

WLKY-32 Louisville, Ky
315 mile tropo (PG)

5
★

KRGV-TV WESLACO

KRGV-5 Weslaco, Texas
560 mile tropo (RL)

RADIO KOY
55

KTVK-3 Phoenix, Az
1315 mile Es (RL)
w KOY radio slide

WICD
TV 15
CHAMPAIGN, IL

WICD-15 Champaign, IL
300 mile tropo (PG)

Left out: The photo of WJBP-6 (Nov 875 VUD p.37) should have credit to Glenn Hauser, Enid, Oklahoma

Reporting guidelines: When sending photos to this column, please include as much of this information as possible...

- 1) Call letters and location of the station photographed
- 2) Location of reception and distance from the station
- 3) Mode of propagation by which the μ was received
- 4) Date (and, if possible) time of reception

Include details of all equipment if an equipment photo is sent. If you want your photo returned after it is used, be sure to specify this.

73 and good μ , Jim

TV QSL CORNER

PAUL D. TRASKA
64 WEAVER AVENUE
BUFFALO, NY 14206

This will be the third editor for the (TV QSL CORNER) 1st was Bill-Matthews, 2nd Ken Simon, now the present namely me. I hope I'll do just as a good job, like the two before I. also would like to thank both editors for keeping the (TV QSL column) in the (VUD) I'm sure these thoughts are shared..

As of this time, NO deadline has yet been set. I'll see when & how many QSL's will come this way. now a brief list of abbreviations,

ADE-asst.director eng./ACE-asst.chief eng./ATD-asst.technical dir,
CE-chief eng./DTO-director technical operations/DE-dir.eng.
EDS-eng.dept.secretary/EOM-eng.operations manager/OD-operations,
distribution./PAM-public affairs manager/PD-promotion dept.
PM-promotion manager/GM-general manager/VPC-vice president operations/VP-vice president/OD-operations distribution/SDE-secretary-dept.eng./TS-transmitter supervisor/MPC-manager public communications/L-letter/C-card/M-map/S-schedule/RP-return postage...

GA: WJSP ch 28 columbus-po. box 5, warm springs, 31830-L, John H. Davis TR. 2 weeks (KRS)

WACS ch 25 dawson-rt.1 box 75a, parrott 31777.-L, Ralph Gnann-CE, 1 week (KRS)

AL: WGIQ ch 43 louisville-c/oAETC 2101 magnolia ave.birmingham, 35205.-L, Al Renfro CE. 1 week (KRS)

NY: WOBS ch 2 NYC-51 west 52 street, 10019-S, un-signed, 2 weeks-(KRS)

WMHT ch 17 schenectady-box 17, 12301.my letter sent back in there envelope, Donald Scieorn, 2 weeks (PDT)

OH: WKRC ch 12 cincinnati-1906 highland ave.45219-L, Ray Owen, CE-1 week (PDT)

CT: WTNH ch 8 new haven-po. box 1859, 06508-L, William Ellison, PAM, 2 weeks (PDT)

MA: WSEK ch 38 ~~boston~~ birmingham pkwy.02135-L, Doug Henderson CE, 12 days (PDT)

MO: KDHL ch 30 st.louis-1215 cole st.63106.-L, Wayne Anderson, CE. 1 week (PDT)

NE: KLINE ch 3 lexington-C/O NETC.po.box83111-lincoln 68501.-L, &M Barbara D Layman, SDE. 18 days (PDT)

IA: KRIN ch 32 waterloo-po. box 1758, des moines 50306-L, Don D. Saverdald DE. 10 days (PDT)

WOO ch 6 davenport-805 brady st.52808-L, Eugene E.McHenry, ADE, 6 days (PDT)

WI: WHA ch 21 madison-821 university ave.53706-L, Gene Zastrow, ATD. 3 weeks (PDT)

PR: WKAQ ch 2 San Juan-telemundo Inc.GPO box w.00936-L & dovals, Rafael Oller, sales man. 2 weeks'7th try(over7years)his, letter sent certified. (KRS)

A NOTE Contributors...when reporting, please give stations add, res:.... & thanks to my first contributor Ken R.Simon:

73,s
Paul

FM QSL CORNER

Tom Klingling, Jr.
221 Pinewood Road
Baltimore, MD 21222

Well here's my first column in the VUD, I'm the new FM QSL Corner editor!!! Yes from now on send all info on your latest FM QSL's to me. Send them on 3 x 5 index cards by state, and possible state on the card, the veris signer, etc, other good news. FM-dx equipment here is a Pioneer TX9100, with a 10-element yagi up 40 feet. Send these cards to: Tom Klingling, Jr., 221 Pinewood Road, Baltimore, MD 21222. 73's

TV CCI

UNIDENTIFIED TV-DX

Frank Aden, Jr.
1535 NW Ithaca Ave.
Bend OR 97701

FEBRUARY 1976

The Utah-Idaho Edition of TV Guide has been split. The Salt Lake City office sent in copies of the new Idaho Edition and the new Salt Lake Edition. The Idaho Edition has schedules for KUTV, KTVX(EX KCPX), KSL, KUED, KBCI, KAID, KIVI, KTVB, KID, KIRI, KPVI, KBOL, KMYT, KIWO, & KWRB. The Salt Lake Edition contains KUTV, KTVX, KSL, KUED, KBYU, & KUSU. Since there is a lot of duplication between editions I suggest writing for only the Idaho Edition. Just remember to include a SASE.

The Phoenix TV Guide Regional office has agreed to sent out Off-Sale TV Guides for a SASE. They will send out copies of the Phoenix Edition, Tucson Edition, & New Mexico Edition if available. Send an SASE for each edition requested.

Paul Traska, 64 Weaver Ave., Buffalo, NY. 14206 (1975 unids)

Wed Nov 5 Tr ch 6 0220 EDT--Movie, same ant. heading as KWWL, seen. Ads, Gimbels, Needs-Pizza; movie past 0300 then faded.

Sun Dec 7 MS ch 2 0207 EDT--Movie, about Ku-Kux-Klan, S/W.

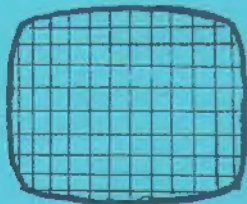
Sat Dec 13 MS ch 2 0450 EDT--Musical show, West.

ch 5 0546 EDT--Western, south/west; many bursts, seen again Dec 14 0515, any DXer, from south that knows what ch 5 runs westerns on weekends?

ch 4 0615 EDT--RETM-TP, modified call at top.

ch 2 0644 EDT--RESOLUTION-CHART, call at right, S/W. Call was underlined.

Sun Dec 14 MS ch 2 0515 EDT--CHECKERD-PATTERN (EAST) definitely not WORS, 'No call on it' probably WLBZ-WGEH or AST Canada time. See below.



ch 5 0545 EDT--Pattern same as WENI, S/W.

ch 4 0630 EDT--3/4 Color-Bar-Pattern, also seen Dec. 13 0615, de-note of this TP was an 'EYE' inside color bars, it may have had CBS in it, definitely not WJXT, PTA S/W. See above.

I would like to thank Jim Gould and Ron Le Blanc for supplying information for my station list.

until next month, 73's

Frank

WORLDWIDE TV-FM DX ASSOCIATIONSERVING THE
VHF-UHF DX
ENTHUSIAST

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All columns and feature articles to appear in the VHF-UHF Digest should be sent to editor Clarke Ingram in Pittsburgh, PA, by the 20th of each month. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ in Deerfield.

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